					DEPARTMENT	OF NA	OF UTAH TURAL RESOU GAS AND MINI				AMENDED	FORM REPORT	13	
			APPLICATI	ION FOR	PERMIT TO DRILL					I. WELL NAME a	nd NUMBER RW H1-34	-16B		
2. TYPE C	F WORK	DRILL NEW W	/ELL 📵 RE	EENTER P&	A WELL DEEPEN V	WELL ()		-	3. FIELD OR WIL				
4. TYPE C	F WELL		Gas Well		ed Methane Well: NO		~			5. UNIT or COM	MUNITIZATION AC		IT NAME	
6. NAME	OF OPERATO	R		EP ENERGY					<u> </u>	7. OPERATOR PI				
8. ADDRE	SS OF OPER	ATOR			th, Vernal, Ut, 84078					O. OPERATOR E			n	
	RAL LEASE NO L, INDIAN, OF	R STATE)	11002 2001		11. MINERAL OWNERSI	- 6) STATE (FEE (,	12. SURFACE OV		STATE (
13. NAME	OF SURFAC	UT SL ML3037 E OWNER (if box									WNER PHONE (if	box 12 =	-	
15. ADDR	ESS OF SUR	FACE OWNER (if	box 12 = 'fee')							16. SURFACE O	435-781-4 WNER E-MAIL (if	box 12 =	'fee')	
17. INDIA	N ALLOTTEE	OR TRIBE NAME		7500 5001	TH, VERNAL, UT 84078 18. INTEND TO COMMI		PRODUCTION F	ROM		19. SLANT	valyn.davis@qe	pres.com		
	2 = 'INDIAN')				YES (Submit Co		ling Application) NO 📵		VERTICAL (DIRECTIONAL) но	RIZONTA	L 📵
20. LOC	ATION OF WE	ELL		FC	OTAGES	QT	r-QTR	SECTIO	N	TOWNSHIF	RANG	SE	MEF	RIDIAN
LOCATIO	ON AT SURFA	CE		205 FS	L 1648 FEL	5	SWSE	16	_	7.08	23.0	E		S
Top of L	Jppermost Pr	oducing Zone		205 FS	L 1648 FEL	5	SWSE	16		7.0 S	23.0	E		S
At Total	Depth			205 FS	L 1648 FEL	- 3	SWSE	16	1	7.0 S	23.0	E		s
21. COUN	ITY	UINTAH			22. DISTANCE TO NEAF		EASE LINE (Fee		7	23. NUMBER OF	ACRES IN DRILLI	NG UNIT		
					25. DISTANCE TO NEAR (Applied For Drilling of	REST W	(ELE IN SAME PO (ete d)	001	3	26. PROPOSED I		/D: 11250		
27. ELEV	ATION - GRO	UND LEVEL 5653			28. BOND NUMBER	96501	10695				DRILLING WATER APPROVAL NUMB 49-251/49-	ER IF APF	PLICABL	E
					Hole Casing,									
String	Hole Size	9.625	Length 0 - 3953	Weight 36.0	J-55 LT&C	d	Max Mud W		allibur	Cement ton Light , Typ	a Unknown	Sacks 916	Yield 2.35	Weight 12.0
JUNI	12.23	9.023	0 - 3 - 3	30.	3-33 E1&C		0.5	_		n Premium , T		286	1.16	15.8
I1	8.75	7	0 - 11534	26.0	HCP-110 LT&0	С	11.0	_		ton Light , Typ		600	2.27	12.0
	1							Halli	liburto	n Premium , T	ype Unknown	477	1.46	13.5
PROD	6.125	4.5	0 - 15836	15.1	Q-125 Casing/Tu	ıbing	11.2			No Used		0	0.0	0.0
										No Used		0	0.0	0.0
					АТ	TTACH	IMENTS							
	V	ERIFY THE FOI	LOWING AR	RE ATTAC	CHED IN ACCORDANG	CE WIT	TH THE UTAH	OIL AND	GAS	CONSERVATION	ON GENERAL R	ULES		
⊮ w	ELL PLAT OR	MAP PREPARED	BY LICENSED	SURVEYO	R OR ENGINEER		✓ COMPL	ETE DRILLI	ING PL	AN				
I ✓ AF	FIDAVIT OF S	STATUS OF SURF	ACE OWNER A	GREEMEN	T (IF FEE SURFACE)		FORM 5.	. IF OPERA	TOR IS	OTHER THAN T	HE LEASE OWNE	R		
DI	RECTIONAL S	SURVEY PLAN (IF	DIRECTIONAL	LLY OR HO	PRIZONTALLY DRILLED)		▼ TOPOGE	RAPHICAL	MAP					
NAME V	alyn Davis		TITLE R	egulatory A	Affairs Analyst			PH	HONE 4	35 781-4369				
SIGNATU	JRE		DATE 0	3/26/2014				EN	MAIL Va	ılyn.Davis@qepre	es.com			
API NUM	BER ASSIGNI	ED 430475436000	000		APPROVAL									

LOCATION OF LATERAL NUMBER 1	FOOT	AGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
Location At Kickoff Point Depth: 10639	205 FSL	1648 FEL	SWSE	16	7.0 S	23.0 E	S			
Top of Uppermost Producing Zone	205 FSL	1648 FEL	SWSE	16	7.0 S	23.0 E	S			
At Total Depth	460 FNL	89 FEL	NENE	16	7.0 S	23.0 E	S			
COUNTY	-		DISTANCE TO NEAREST LEASE LINE (Feet) 205							
DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 243			PROPOSED DEPTH MD: 15836 TVD: 11250							
	Hole, Casing, and Cement Information									
String Hole Size Casing Size	Length	Weig	ht Gra	de & Threa	d Max	Mud Wt.	Cemen	Sacks	Yield	Weight



Received: April 01, 2015

DRILLING PLAN RW H1-34-16B WELL UINTAH COUNTY, UTAH

1. FORMATION TOPS:

<u>Formation</u>	<u>(TVD)</u>	<u>(MD)</u>	
Green River	3,171'	3,171'	Possible O&G
Birds Nest	3,333'	3,333'	
Mahogany Bench	3,903'	3,903'	
Base of Mod Saline	5,583'	5,583'	
Wasatch	6,243'	6,243'	Possible O&G
Mesaverde	9,125'	9,125'	Possible O&G
KOP	10,639'	10,639'	
Total Depth	11,250'	15,836'	

TVD is at 0' vertical section.

2. ANTICIPATED DEPTHS OF OIL, GAS, WATER AND OTHER MINERAL BEARING ZONES:

No fresh water sands are known in Red Wash. Oil and Gas bearing zones are shown above. All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected.

All water shows and water-bearing sands will be reported to the State of Utah. Copies of State of Utah form OGC-8-X are acceptable. If I was are detected, samples will be submitted to the State along with any water analyses conducted.

3. PRESSURE CONTROL

Notify the State office prior to pressure testing.

- A. Bélow 9 5/8" surface casing equipment & test plan (3,953' to 15,836' MD).
 - 1. 11" 5,000 psi double gate with blind rams and appropriate pipe rams.
 - 2. 11" 5,000 psi annular preventer and drilling spool or BOP with 2 side outlets.

Note: Depending on rig selection the BOP stack may be 11" or 13 5/8". Additionally, the BOP stack may be 5M or 10M rated but will be tested per 5M requirements.

- B. Test pressures and times are as follows:
 - 3. BOP: 5,000 psi (High) 250 psi (Low) 10 min each
 - 4. Choke Manifold & Lines: 5,000 psi (High) 250 psi (Low) 10 min each
 - 5. Annular Preventer: 2,500 psi (High) 250 psi (Low) 10 min
 - Surface Casing: 1,500 psi 30 min, Intermediate Casing: .22 psi/ft MD 30 min.
 - 7. Formation Integrity Test: Drill out 10' of new hole below casing. Perform FIT to 11.5 ppg EMW, below surface casing, 13.0 ppg EMW below intermediate casing.
- C. Function test pipe rams & blind ram on trips and annular once per week.

- D. All casing strings below conductor shall be tested to 0.22 psi/ft or 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. BOP equipment will be tested when initially installed, whenever any seal subject to test pressure is broken, following related repairs and at 30 day intervals.
- E. Ram type preventers and associated equipment shall be tested to the approved stack working pressure if isolated by a test plug or to 70% of the internal yield pressure of the casing if the BOP stack is not isolated from the casing. Annular preventers shall be tested to 50% of the rated working pressure.
- BOP and related equipment shall meet the minimum requirements of Onshore Oil & Gas Order F. No.2 for equipment testing, procedures, etc...., for the appropriate 5M approved system. Individual components will be operable as designed.
- G. **Auxiliary Equipment:**
 - Manually operated upper & lower kelly cock valves. 1.
 - 2. Floats may be run above any mud motor.
 - 3. Monitoring of the mud system will be visual and with PVT equipment.
 - Manually operated, full opening floor valves that are capable of fitting all doll stem 4. connections will be available in the full open position on the drill floor. rove

CASING PROGRAM: 4.

Hole Size	Csg Size	Тор	Btm (MD)	(TVD)	Wt ppf	rade	Thread	Туре
17.5	14"	0'	80'	80′	72.0	Steel	Welded	
12-1/4"	9-5/8"	0'	3,953'	3,953	36.0	J55	LTC	New
8-3/4"	7"	0'	11,534	11,212'	26.0	HCP110	LTC	New
6-1/8"	4-1/2"	0'-	15,836'	11,250′	15.1	HCQ125	CDC	New

Casing Str	AD gths			Collapse	Burst	Tensile (min.)
9 5/8	36#	J-55 or K-55	LTC	2,020 psi	3,520 psi	453,000 lb.
7"	26#	HCP110	LTC	7,540 psi	9,960 psi	693,000 lb.
4-1/2"	15.1#	HCQ125	CDC	16,070 psi	15,300 psi	551,000 lb.

MINIMUM DESIGN FACTORS:

COLLAPSE: 1.125 based on .1 psi/ft fluid back-up inside, .53 psi/ft gradient

BURST: 1.000 based on .53 psi/ft gradient, no fluid on backside TENSION: 1.800 based on casing string weight in 9.0 ppg mud

Area Fracture Gradient: 0.83 psi/foot

The production casing program will consist of:

Float shoe

Float Collar

(20) frac stages consisting of (1) frac sleeve and (2) 5.85" swell packers, spaced evenly from TD to below the 7" casing shoe (20 sleeves, 19 packers) with 4.5" 15.1 ppf HCQ125 CDC casing between packers/sleeves.

4.5" 15.1 ppf HCQ125 CDC casing to ±100' inside 7" casing shoe

(1) 5.85" swell packer (for isolation inside 7" Intermediate casing)

4.5" 15.1 ppf HCQ125 CDC casing to start of build

Liner Hanger with PBR

Remainder 4.5" 15.1 ppf HCQ125 CDC casing ran as tie back string to surface

5. CEMENTING PROGRAM:

Conductor: As needed. Cement to surface with construction cement.

95/8" Surface Casing: Cemented from surface to 3,953' (MD)

<u>Lead:</u> 0' – 3,453'. 916 sx (2,152 cuft) VariCem + LCM additives as needed. Excess: 100%.

Tail: 3,453'- 3,953'. 286 sx (331 cuft) HalCem + LCM additives as peeded. Excess: 100%.

Slurry Weight: 12.0 ppg 15.8 ppg
Slurry Yield: 2.35 ft³/sx 1.16 ft³/sx
Water Requirements: 13.7 gal/sx 5.02 gal/sx
Fluid Loss: 540 cc/30 min/ 92°F 500 cc/30 min/ 92°F

Free Water 1% at 92° F 0% at 92° F
Thickening time: 5.0hrs at 100° F 2.0 hrs at 100° F
Comp Strength 12 hrs: 65 psi @ 125° F 1795 psi @ 125° F

72 hrs: 551 psi 2,800 psi

4 centralizers total are used. One set inside the shoe of the conductor casing and 1 each on the bottom three joints of the surface casing. Additional centralizers may be used as needed.

7" Production Casing: Cemented from 0' to 11,534' (MD)

0' - 8,625'. 600 sx (1,362 cuft) ExtendaCem 65/35 w/, 0.7% HR5 (retarder), 1.0 pps Granulite <u>Lead:</u> (LCM), 0.25 pps Poly-e-Flake (LCM), 5.0 pps Kol-Seal (LCM). Excess: 50%.

8,625'- 11,534'. 477 sx (696 cuft) ExpandaCem w/ .7% HR601 (retarder), .125 pps Poly-e-Flake Tail:

& .25 pps Kwik Seal (LCM). Excess: 50%.

Lead <u>Tail</u> Slurry Weight: 12.0 ppg 13.5 ppg 2.27 ft³/sx 1.46 ft³/sx Slurry Yield: Water Requirements: 12.34 gal/sx 6.92 gal/sx

> Fluid Loss: 640 cc/30 min/ 165°F 340 cc/30 min/ 165°F

1% at 165° F 0% at 165° F Free Water: Thickening Time: 6.5 hrs at 165° F 3.5 hrs at 165° F Comp. Strength 12 hrs: 150 psi @ 210° F 1,000 psi @ 210° F 2,500 psi 72 hrs: 800 psi

4 centralizers total are used. One set inside the shoe of the surface casing and three joints of the production casing. Additional centralizers may be used as needed.

4-1/2" Production Casing: Un-Cemented from 0' to 15-83

Uncemented production casing. No central pers

MUD PROGRAM/CIRCULATING MEDIUM: 6.

Fresh water while used from surface to 3,953'. Sufficient mud materials to maintain mud properties, control lost Orcalation and to contain well bore pressures will be available at the wellsite. All formations within the surface section in the Red Wash Unit are under-pressured. In the case of lost circulation, which is expected to be moderate to severe, products will be used as listed below:

	SURFACE - Water/Spud Mud
Product	Usage / Description
Cedar Fiber	Lost Circulation Material / Ground and Sized Cedar
Anco Fiber	Lost Circulation Material / Mixed sized cellulose fiber
Lime	pH control
HY Gel	Viscosifier / Bentonite
Anco Drill	Vicosifier, shale inhibition and stabilization / Anionic Polyacrylamide Polymer
Sapp	Bit Balling / Sodium Acid Pyrophosphate
Sawdust	Lost Circulation Material / Pine Sawdust
Walnut	Lost Circulation Material / Walnut Shell

Water based mud will be used to drill the intermediate hole section of the well. The 9 5/8" surface casing will be drilled out 10' and a Formation Integrity Test will be performed to an equivalent of 11.5 ppg. Anticipated mud weight at 7" intermediate casing point will be < 11.2 ppg. (.58 psi/ft)

	INTERMEDIATE – Water Based Mud
Product	Usage / Description
Barite	Mud weight material / Barium Sulfate
Cedar Fiber	Lost Circulation Material / Ground and Sized Cedar
Anco Fiber	Lost Circulation Material / Mixed sized cellulose fiber
Lime	pH control
HY Gel	Viscosifier / Bentonite
Anco Drill	Vicosifier, shale inhibition and stabilization / Anionic Polyacrylamide Polymer
Sapp	Bit Balling / Sodium Acid Pyrophosphate
Sawdust	Lost Circulation Material / Pine Sawdust
Walnut	Lost Circulation Material / Walnut Shell
Sawdust	Lost Circulation Material / Pine Sawdust
Multi-Seal	Lost Circulation Material / Mixed sized cellulose fiber
Cal Carb	Lost Circulation Material & Filtration control/ Calcium Carbonate
Soltex	Shale inhibition and hole stabilization / Sulfonated Asphale
Gilsonite	Shale inhibition and hole stabilization / Naturally occurring bitumen
Flowzan	Viscosifier / Xanthan gum
Drillpac HV	Fluid loss control / Poly-anionic cellulose
Caustic	pH control
Soda	
X-Cide 102	Bacterial degradation control / Bacteriacide

OBM will be used to drill the production hole section of the well. The 7" surface casing will be drilled out 10' and a Formation integrity Test will be attempted to an equivalent of 13.0 ppg. Anticipated mud weight at TD point will be < 11.4 ppg. (.59 psi/ft)

	PRODUCTION HOLE - Oil Based Mud
Product	Usage / Description
Bentone 920	Oil Mud Viscosifier / Organophilic clay
Calcium Chloride	Internal phase fluid / Calcium Chloride
Barite	Weight Material / Barium Sulfate
Soltex	Shale inhibition and hole stabilization / Sulfonated Asphalt
Lime	Alkalinity Control / Calcium Hydroxide
Anco Mul P	Emulsifier / Liquid blend of organic fatty acids
Anco Mul S	Emulsifier / Liquid blend of polyamides
Anco Mul OW	Wetting agent / Liquid blend of emulsifying and wetting agents
Diesel	Base Fluid / Diesel
Cedar Fiber	Lost Circulation Material / Ground and Sized Cedar
Multi-Seal	Lost Circulation Material / Mixed sized cellulose fiber
Cal Carb	Lost Circulation Material & Filtration control/ Calcium Carbonate
Sawdust	Lost Circulation Material / Pine Sawdust
Walnut	Lost Circulation Material / Walnut Shell

<u>+ MD</u>	Mud Wt (ppg)	Fun Vis (cp)	PV (cp)	YP (lb/100ftft	FL (ml/30')	pН	<u>Type</u>
0' - 3,953'	±8.5	±28	N/C	N/C	N/C	±7.5	Freshwater
3,953' – 11,534'	9.0 – 11.0	30 – 50	10 - 20	2 – 10	6 - 12	±9.0	WBM
11,534' – 15,836'	9.5 – 11.2	±50	15 - 22	4 - 8	±18	NA	OBM

7. LOGGING, TESTING, & CORING:

Triple Combo – Surface to KOP No DST's or cores are planned for this well.

8. ABNORMAL PRESSURE AND TEMPERATURE:

No abnormal temperatures or pressures are anticipated. No H2S has been encountered or is known to exist from previous wells drilled to similar depths in the general area.

BHT = 210° F at TD. Expected reservoir pressure at TD is < 6,669 psi.

Maximum anticipated Surface SIP is less than 5,000 psi [(6,669 psi – (.22 psi/ft 1 1,250 ft) = 4,194 psi]

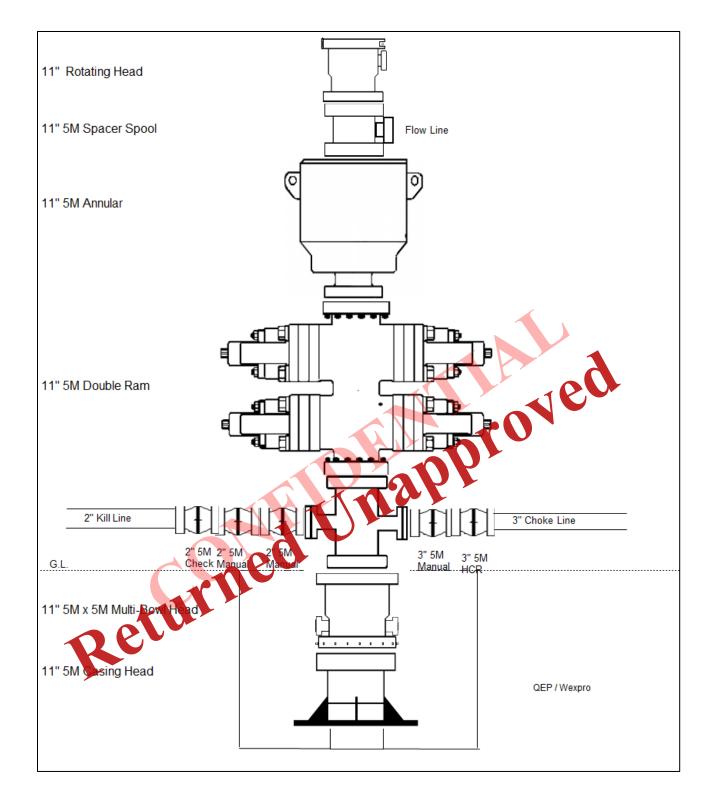
9. ADDITIONAL INFORMATION / ASPECTS:

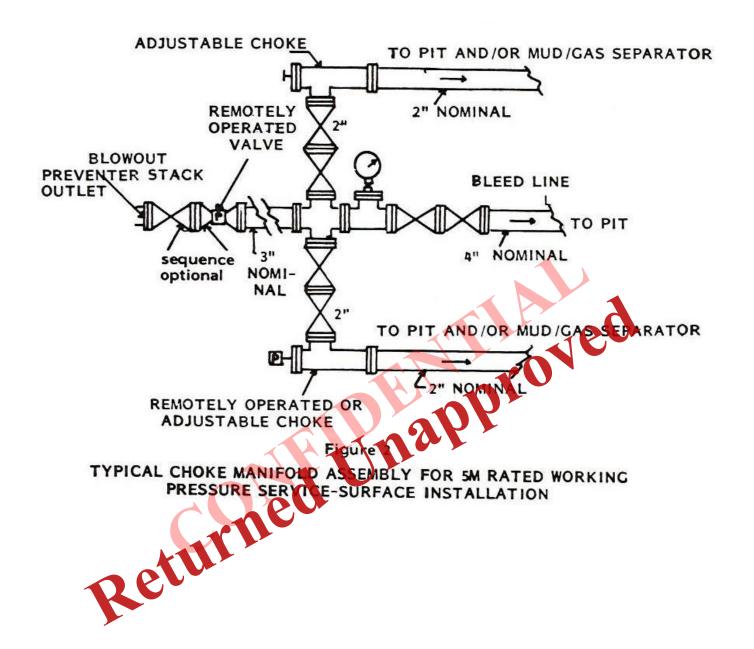
- A reserve pit will be constructed for this location. This pit will be constructed so that a minimum of two vertical feet of freeboard exists above the top of the dicat all times and all of the holding capacity will be below ground level. The pit will be fined with a synthetic reinforced liner, 0.030" (0.75 mm +/-) thick, with sufficient bedding used to cover any rocks prior to putting any fluids into the pit. The pad will be designed so that runoff from adjacent slopes does not flow into the reserve pit. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place.
- All rig ditches will be lined and directed to a lined sump for fluid recovery. A drip pan will be installed
 on the BOF stack a mud bucket will be utilized as needed on connections and a vacuum system will be
 used on the rig floor for fluid recovery in those areas.
- Oil-base mud will be mixed in the closed circulating system and transferred to one or more 400 bbl or 500 bbl tanks (as available) on location for storage prior to and after drilling operations. Drip pans will be installed below the rotary beams on the substructure and can be viewed on site from the cellar area. Drill cuttings from the production section of the hole will be mechanically separated from the drilling fluid as waste by two shale-shakers and then cleaned/dried via a mud cleaner and/or centrifuge. These separated cuttings will be transferred to the cuttings pit nearest the shakers and stored in this cuttings pit for solidification after the rig is released and moved off location.
 Once all waste has been placed in the cuttings pit and all necessary approvals obtained, the oilfield waste management consultant Soli-Bond or a similar company will mobilize equipment and personnel to the site to perform the cement based solidification/stabilization process in-situ for encapsulation. Soil will be backfilled over the processed material used on the cuttings pit and will be returned to the existing grade bordering the pit.
- The well profile is a horizontal plan. The directional plan and detail is attached.

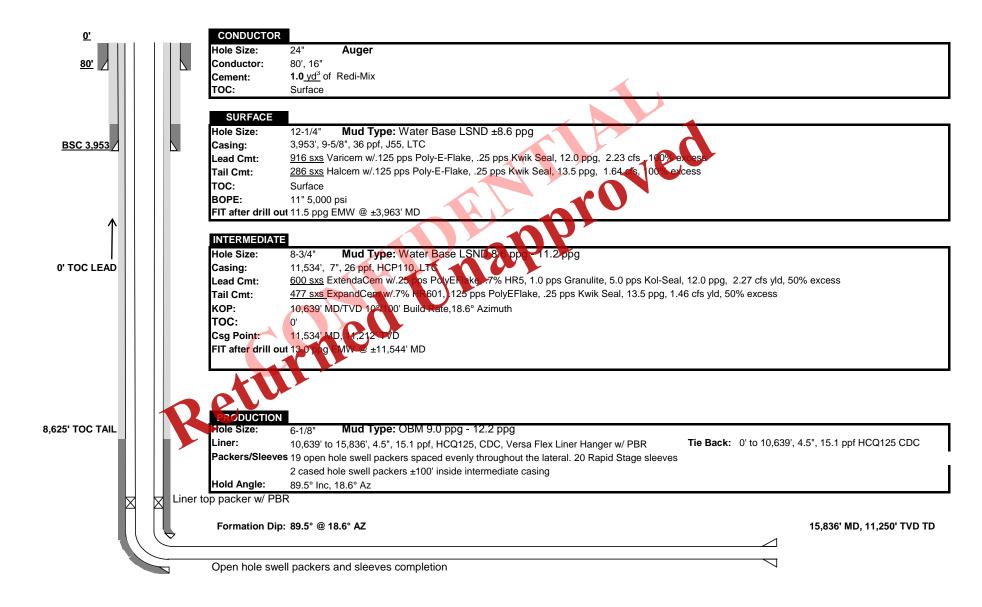
- All producing Green River wells in the Red Wash Unit are on artificial lift. Bottom hole pressures in the producing wells are less than .43 psi/ft. No water flows have been experienced in any of the wells drilled through the Green River formation. All injectors within ½ mile radius will be shut in a minimum of 30 days prior to drilling this well. The 11.5 ppg (.60 psi/ft) lead cement planned for across the Green River producing interval is adequate for isolation of hydrocarbons while having a density that will give a hydrostatic column considerably greater than the pore pressure at the Green River formation.
 - o Injectors within .5 miles

•	RW 41-21B	1,270' SE	Shut in
•	RW 21-21B	1,940' SSW	Injecting
•	Fed 22-21B	2,530' SW	Shut in
•	RW 43-16B	2,160' NNE	Shut in









QEP ENERGY (UT)

Red Wash - B RW H1-34-16B RW H1-34-16B

Standard Planning Report

13 February, 2015 andard Plans
03 February, 2015

Received: April 01, 2015

Planning Report

System Datum:

EDMDB_QEP Database: Company: QEP ENERGY (UT) Project: Red Wash - B RW H1-34-16B Site: Well: RW H1-34-16B Wellbore: Original Hole Design: Plan ver.0

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: **Survey Calculation Method:**

Well RW H1-34-16B RKB @ 5683.00usft (EST RKB) RKB @ 5683.00usft (EST RKB) True

Minimum Curvature

Project Red Wash - B

US State Plane 1983 Map System:

North American Datum 1983 Geo Datum:

Utah Central Zone Map Zone:

Mean Sea Level

Using geodetic scale factor

RW H1-34-16B Site

Northing: 7,249,971.234 usft Site Position: Latitude: From: Lat/Long Easting: 2,246,852.641 usft Longitude:

Position Uncertainty: 0.00 usft Slot Radius: 13-3/16 "

-109.328592 Grid Convergence:

40.202839

40.202840

1.39

Well RW H1-34-16B

Well Position +N/-S 0.35 usft Northing: 7,249,971.580 usft Latitude:

+E/-W -0.31 usft Easting: 2,246,852.320 usft Longitude

-109.328593 **Position Uncertainty** 0.00 usft Wellhead Elevation: 5,653.00 usft 5,653.00 usft

Wellbore Original Hole Magnetics **Model Name** Sample Date Declination Dip Angle Field Strength (nT) 3/12/2014 IGRF2010 65.99 52,184

Design Plan ver.0 **Audit Notes:** Version: PLAN Tie On Depth: 0.00 Depth From (TVD) **Vertical Section:** +N/-S +E/-W Direction (usft) (usft) (°) 11.237.41 0.00 0.00 18.59

Plan Sections Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10,639.02	0.00	0.00	10,639.02	0.00	0.00	0.00	0.00	0.00	0.00	
11,534.02	89.50	18.59	11,211.96	538.31	181.09	10.00	10.00	0.00	18.59	
15,835.95	89.50	18.59	11,249.50	4,615.55	1,552.70	0.00	0.00	0.00	0.00 R	W H1-34-16B

Planning Report

Database: EDMDB_QEP
Company: QEP ENERGY (UT)
Project: Red Wash - B
Site: RW H1-34-16B
Well: RW H1-34-16B
Wellbore: Original Hole
Design: Plan ver.0

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Well RW H1-34-16B RKB @ 5683.00usft (EST RKB) RKB @ 5683.00usft (EST RKB) True Minimum Curvature

gn:	Plan ver.0								
nned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	Q.0 0	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00		0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00		0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2.100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0 00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	000	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800 00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
			,			0.00		0.00	
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,171.00	0.00	0.00	3,171.00	0.00	0.00	0.00	0.00	0.00	0.00
Green River									
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,333.00	0.00	0.00	3.333.00	0.00	0.00	0.00	0.00	0.00	0.00
Top of Birds		0.00	5,550.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00			3,500.00		0.00	0.00			
3,500.00 3.597.00	0.00	0.00		0.00			0.00	0.00	0.00
-,	0.00	0.00	3,597.00	0.00	0.00	0.00	0.00	0.00	0.00
Base of Bird			0.000.55	0.55		0.55			0.55
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,903.00	0.00	0.00	3,903.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	3,903.00	0.00	0.00	0.00	0.00	0.00	0.00
Mahogony B		2.22	0.050.00	2.22	2.25	2.22	2.22	2.22	2.22
3,953.00	0.00	0.00	3,953.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00

Planning Report

Database: EDMDB_QEP
Company: QEP ENERGY (UT)
Project: Red Wash - B
Site: RW H1-34-16B
Well: RW H1-34-16B
Wellbore: Original Hole
Design: Plan ver.0

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Well RW H1-34-16B RKB @ 5683.00usft (EST RKB) RKB @ 5683.00usft (EST RKB) True Minimum Curvature

nned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00 4,900.00	0.00 0.00	0.00 0.00	4,800.00 4,900.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00 5,200.00	0.00 0.00	0.00 0.00	5,100.00 5,200.00	0.00 0.00	0.00 0.00	0.00	0.00	0.00	0.00 0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	000	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	_0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,583.00	0.00	0.00	5,583.00	0.00	0.00	0.00	9.00	0.00	0.00
Base of Mo		0.00	0,000.00	0.00	0.00		5.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00		0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,243.00	0.00	0.00	6,243.00	0.00	0.00	0.00	0.00	0.00	0.00
Wasatch									
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00 6,700.00	0.00	0.00	6,600.00 6,700.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00 7,000.00	0.00	0.00 0.00	6,900.00 7,000.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00		7,300.00				0.00	0.00	0.00
7,300.00 7,400.00	0.00	0.00 0.00	7,300.00 7,400.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00 8,700.00	0.00 0.00	0.00 0.00	8,600.00 8,700.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00 9,100.00	0.00 0.00	0.00 0.00	9,000.00 9,100.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00

Planning Report

EDMDB_QEP Database: QEP ENERGY (UT) Company: Project: Red Wash - B Site: RW H1-34-16B Well: RW H1-34-16B Original Hole

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: **Survey Calculation Method:**

Well RW H1-34-16B RKB @ 5683.00usft (EST RKB) RKB @ 5683.00usft (EST RKB) True Minimum Curvature

Wellbore: Design: Plan ver.0

ed Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Mesaverde									
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00
9,400.00	0.00	0.00	9,400.00	0.00	0.00	0.00	0.00	0.00	0.00
9,500.00	0.00	0.00	9,500.00	0.00	0.00	0.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,600.00	0.00	0.00	0.00	0.00	0.00	0.00
9,700.00	0.00	0.00	9,700.00	0.00	0.00	0.00	0.00	0.00	0.00
9,800.00	0.00	0.00	9,800.00	0.00	0.00	0.00	0.00	0.00	0.00
9,900.00	0.00	0.00	9,900.00	0.00	0.00	0.00	0.00	0.00	0.00
10,000.00	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	0.00	0.00
10,100.00	0.00	0.00	10,100.00	0.00	0.00	0.00	0.00	0.00	0.00
10,200.00	0.00	0.00	10,200.00	0.00	0.00	0.00	0.00	0.00	0.00
10,300.00	0.00	0.00	10,300.00	0.00	0.00	0.00	0.00	0.00	0.00
10,400.00	0.00	0.00	10,400.00	0.00	0.00	0.00	0.00	0.00	0.00
10,500.00	0.00	0.00	10,500.00	0.00	0.00	0.00	0.00	0.00	0.00
10,600.00	0.00	0.00	10,600.00	0.00	0.00	0.00	0.00	0.00	0.00
10,639.02	0.00	0.00	10,639.02	0.00	100	0.00	0.00	0.00	0.00
10,700.00	6.10	18.59	10,699.89	3.07	1.03	3.24	10.00	10.00	0.00
10,800.00	16.10	18.59	10,797.89	21.29	7.16	22.47	10.00	10.00	0.00
10,900.00	26.10	18.59	10,891.07	55.37	18.63	58.42	10.00	10.00	0.00
11,000.00	36.10	18.59	10,976.59	104.26	35.07	110.00	10.00	10.00	0.00
11,100.00	46.10	18.59	11 051.85	166.48	56.01	175.65	10.00	10.00	0.00
11,200.00	56.10	18.59	11, 114,57	240.15	80.79	253.37	10.00	10.00	0.00
11,300.00	66.10	18 59	1,162.84	323.02	108.67	340.81	10.00	10.00	0.00
11,400.00	76.10	18.59	11,195.20	412.58	138.79	435.29	10.00	10.00	0.00
11,500.00	86 10	18.59	11,210.65	506.10	170.25	533.96	10.00	10.00	0.00
11,534.02	89.50	18.59	11,211.96	538.31	181.09	567.95	10.00	10.00	0.00
7"									
11,600.00	89.50	18.59	11,212.54	600.84	202.13	633.93	0.00	0.00	0.00
11,700.00	89.50	18.59	11,213.41	695.62	234.01	733.93	0.00	0.00	0.00
11,800.00	89.50	18.59	11,214.28	790.40	265.90	833.92	0.00	0.00	0.00
11,900.00	89.50	18.59	11,215.15	885.18	297.78	933.92	0.00	0.00	0.00
12,000.00	89.50	18.59	11,216.03	979.95	329.66	1,033.92	0.00	0.00	0.00
12,100.00	89.50	18.59	11,216.90	1,074.73	361.55	1,133.91	0.00	0.00	0.00
12,200.00	89.50	18.59	11,217.77	1,169.51	393.43	1,233.91	0.00	0.00	0.00
12,300.00	89.50	18.59	11,218.64	1,264.28	425.31	1,333.91	0.00	0.00	0.00
12,400.00	89.50	18.59	11,219.52	1,359.06	457.20	1,433.90	0.00	0.00	0.00
12,500.00	89.50	18.59	11,220.39	1,453.84	489.08	1,533.90	0.00	0.00	0.00
12,600.00	89.50	18.59	11,221.26	1,548.61	520.96	1,633.89	0.00	0.00	0.00
12,700.00	89.50	18.59	11,222.13	1,643.39	552.85	1,733.89	0.00	0.00	0.00
12,800.00	89.50	18.59	11,223.01	1,738.17	584.73	1,833.89	0.00	0.00	0.00
12,900.00	89.50	18.59	11,223.88	1,832.95	616.62	1,933.88	0.00	0.00	0.00
13,000.00	89.50	18.59	11,224.75	1,927.72	648.50	2,033.88	0.00	0.00	0.00
13,100.00	89.50	18.59	11,225.62	2,022.50	680.38	2,133.88	0.00	0.00	0.00
13,200.00	89.50	18.59	11,226.50	2,117.28	712.27	2,233.87	0.00	0.00	0.00
13,300.00	89.50	18.59	11,227.37	2,212.05	744.15	2,333.87	0.00	0.00	0.00
13,400.00	89.50	18.59	11,228.24	2,306.83	776.03	2,433.86	0.00	0.00	0.00
13,500.00	89.50	18.59	11,229.12	2,401.61	807.92	2,533.86	0.00	0.00	0.00
13,600.00	89.50	18.59	11,229.99	2,496.38	839.80	2,633.86	0.00	0.00	0.00
13,700.00	89.50	18.59	11,230.86	2,591.16	871.68	2,733.85	0.00	0.00	0.00
13,800.00	89.50	18.59	11,231.73	2,685.94	903.57	2,833.85	0.00	0.00	0.00
13,900.00	89.50	18.59	11,232.61	2,780.72	935.45	2,933.84	0.00	0.00	0.00
14,000.00	89.50	18.59	11,233.48	2,875.49	967.33	3,033.84	0.00	0.00	0.00

Planning Report

Database: EDMDB_QEP
Company: QEP ENERGY (UT)
Project: Red Wash - B
Site: RW H1-34-16B
Well: RW H1-34-16B
Wellbore: Original Hole
Design: Plan ver.0

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Well RW H1-34-16B RKB @ 5683.00usft (EST RKB) RKB @ 5683.00usft (EST RKB) True Minimum Curvature

nned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,100.00	89.50	18.59	11,234.35	2,970.27	999.22	3,133.84	0.00	0.00	0.00
14,200.00	89.50	18.59	11,235.22	3,065.05	1,031.10	3,233.83	0.00	0.00	0.00
14,300.00	89.50	18.59	11,236.10	3,159.82	1,062.99	3,333.83	0.00	0.00	0.00
14,400.00	89.50	18.59	11,236.97	3,254.60	1,094.87	3,433.83	0.00	0.00	0.00
14,500.00	89.50	18.59	11,237.84	3,349.38	1,126.75	3,533.82	0.00	0.00	0.00
14,600.00	89.50	18.59	11,238.71	3,444.15	1,158.64	3,633.82	0.00	0.00	0.00
14,700.00	89.50	18.59	11,239.59	3,538.93	1,190.52	3,733.81	0.00	Q0 0	0.00
14,800.00	89.50	18.59	11,240.46	3,633.71	1,222.40	3,833.81	0.00	0.00	0.00
14,900.00	89.50	18.59	11,241.33	3,728.48	1,254.29	3,933.81	0.00	0.00	0.00
15,000.00	89.50	18.59	11,242.21	3,823.26	1,286.17	4,033.80	0.00	0.00	0.00
15,100.00	89.50	18.59	11,243.08	3,918.04	1,318.05	4,133.80	0.00	0.00	0.00
15,200.00	89.50	18.59	11,243.95	4,012.82	1,349.94	4,233.80	0.00	0.00	0.00
15,300.00	89.50	18.59	11,244.82	4,107.59	1,381.82	4,333.79	0.00	0.00	0.00
15,400.00	89.50	18.59	11,245.70	4,202.37	1,413.71	4,433.79	0.00	0.00	0.00
15,500.00	89.50	18.59	11,246.57	4,297.15	1,445.59	4 533 78	0.00	0.00	0.00
15,600.00	89.50	18.59	11,247.44	4,391.92	1,477-47	4,633.78	0.00	0.00	0.00
15,700.00	89.50	18.59	11,248.31	4,486.70	1,509.36	4,733.78	0.00	0.00	0.00
15,800.00	89.50	18.59	11,249.19	4,581.48	1 541.24	4 ;833.77	0.00	0.00	0.00
15,835.95	89.50	18.59	11,249.50	4,615.55	1,552.70	4,869.73	0.00	0.00	0.00

Design Targets			7					
Target Name - hit/miss target - Shape	Dip Angle	Dip Dir. (VD	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
RW H1-34-16B - plan hits target ce - Point	nter 0.00	.00 11,249.5	4,615.55	1,552.70	7,254,623.090	2,248,292.410	40.215509	-109.323033

Casing Points						
	Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
	3,953.00 11,534.02	3,953.00 11,211.96		9-5/8 7	12-1/4 8-3/4	

Formations						
	Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
	3,171.00	3,171.00	Green River fm			
	3,333.00	3,333.00	Top of Birds Nest			
	3,597.00	3,597.00	Base of Birds Nest			
	3,903.00	3,903.00	Mahogony Bench			
	5,583.00	5,583.00	Base of Mod Saline			
	6,243.00	6,243.00	Wasatch			
	9,125.00	9,125.00	Mesaverde		0.50	15.00

Planning Report

Database: EDMDB_QEP
Company: QEP ENERGY (UT)
Project: Red Wash - B
Site: RW H1-34-16B
Well: RW H1-34-16B
Wellbore: Original Hole
Design: Plan ver.0

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Well RW H1-34-16B RKB @ 5683.00usft (EST RKB) RKB @ 5683.00usft (EST RKB) True

Method: Minimum Curvature

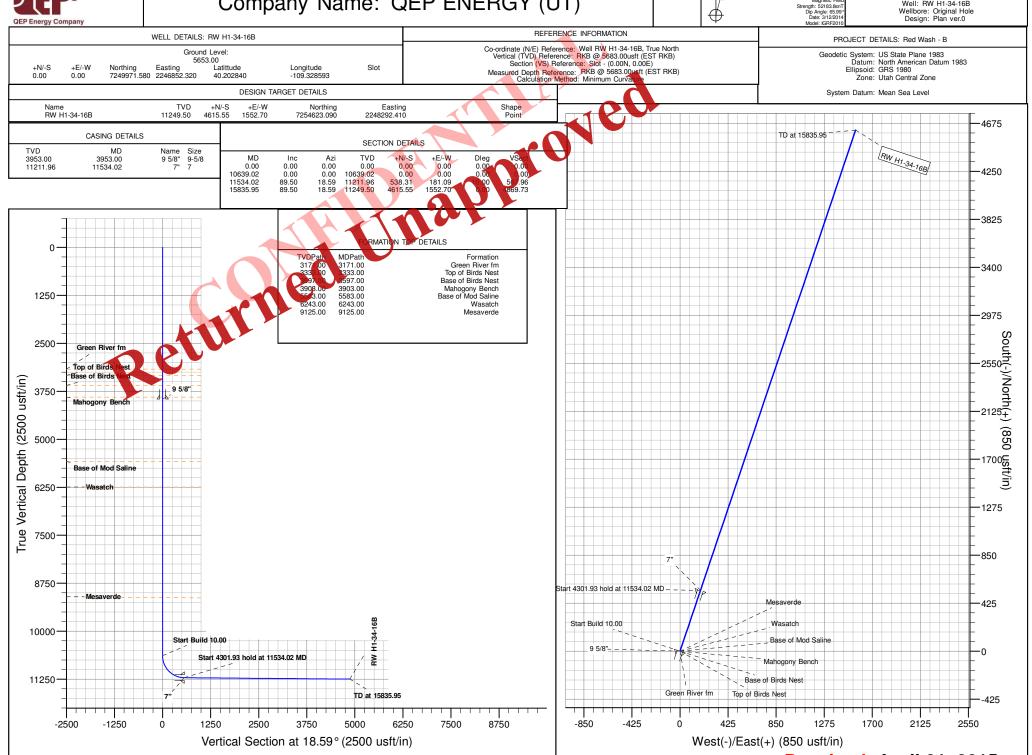
Plan Annotations					
	sured	Vertical	Local Coord		
	epth sft)	Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
10, 11,	,639.02 ,534.02 ,835.95	10,639.02 11,211.96 11,249.50	0.00 538.31 4,615.55	0.00 181.09 1,552.70	Start Build 10.00 Start 4301.93 hold at 11534.02 MD TD at 15835.95



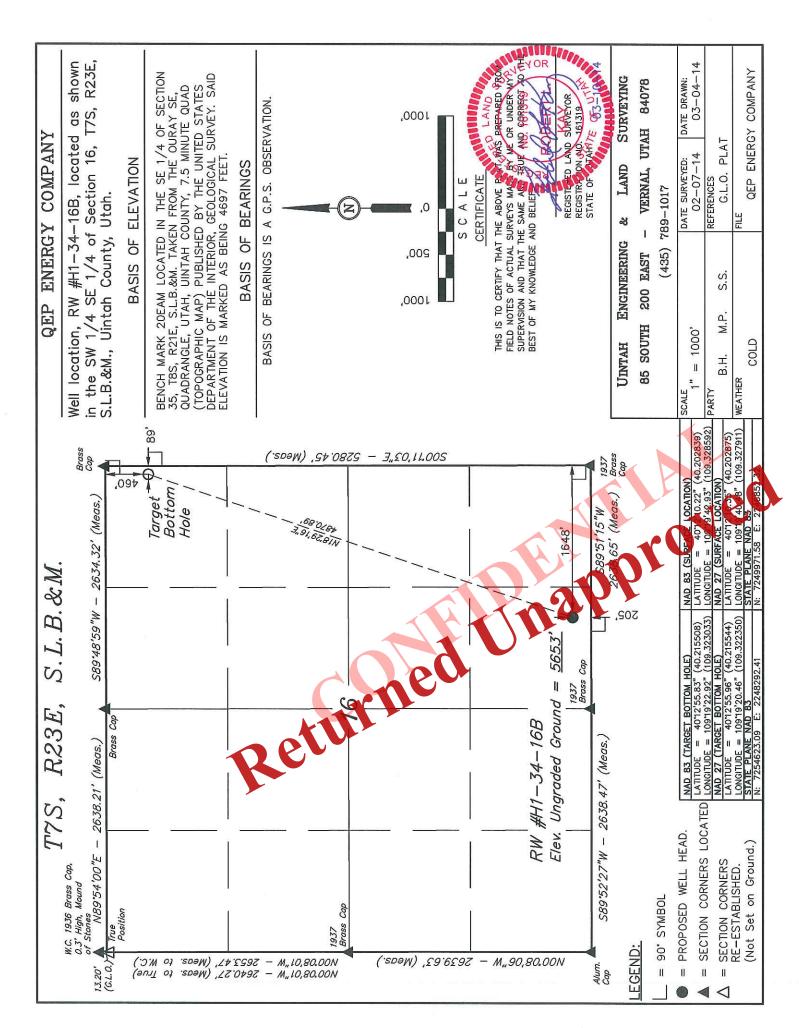
Company Name: QEP ENERGY (UT)

Magnetic Field Strength: 52183.8sn¹ Dip Angle: 65.99 Date: 3/12/2014 Model: IGRF2010

Project: Red Wash - B Site: RW H1-34-16B Well: RW H1-34-16B



Received: April 01, 2015



QEP ENERGY COMPANY

RW #H1-34-16B

LOCATED IN UINTAH COUNTY, UTAH SECTION 16, T7S, R23E, S.L.B.&M.

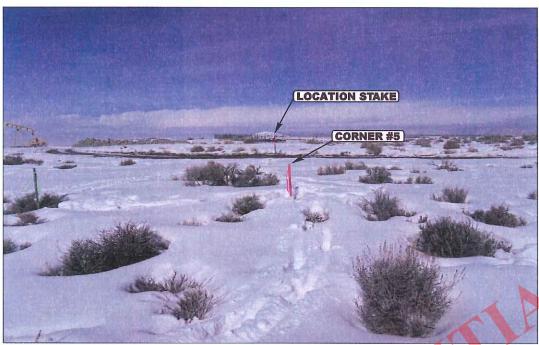


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

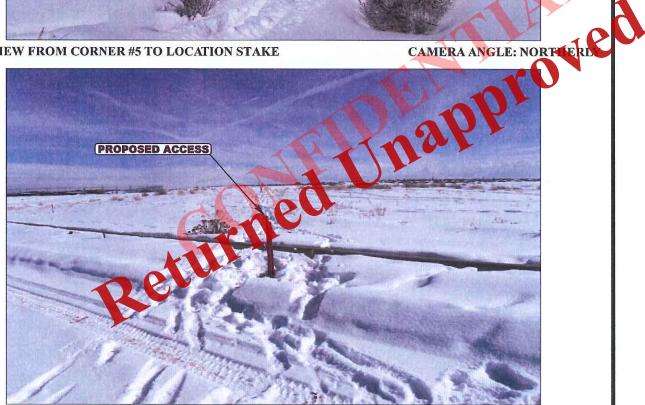
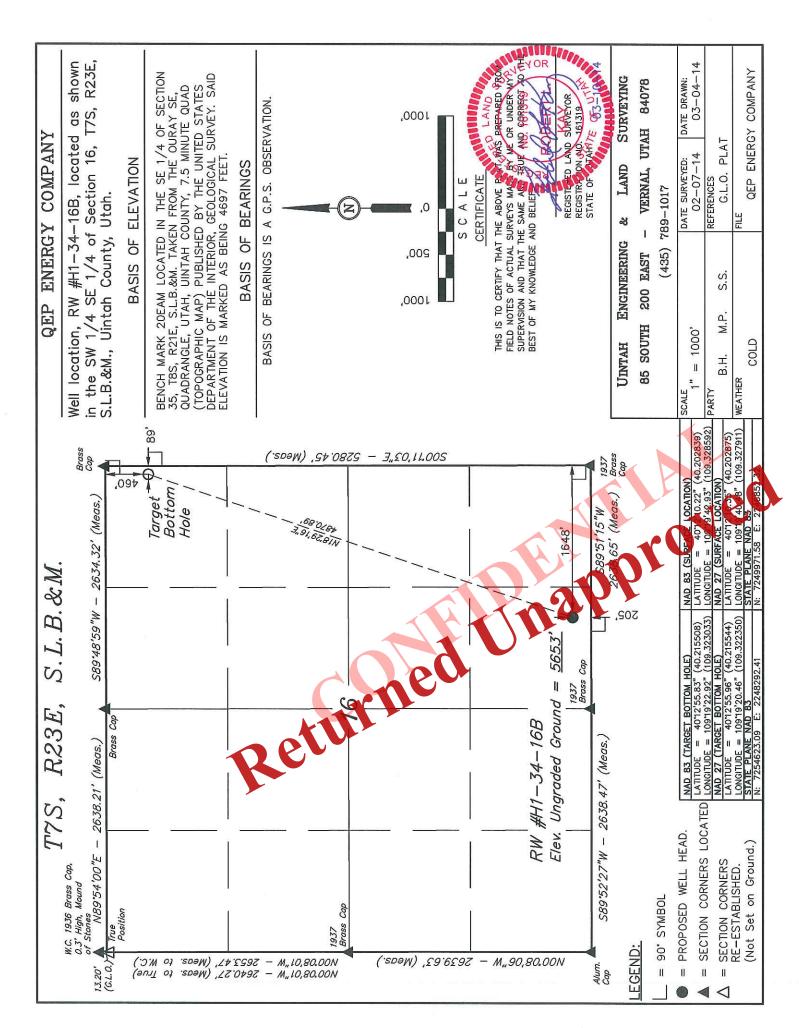


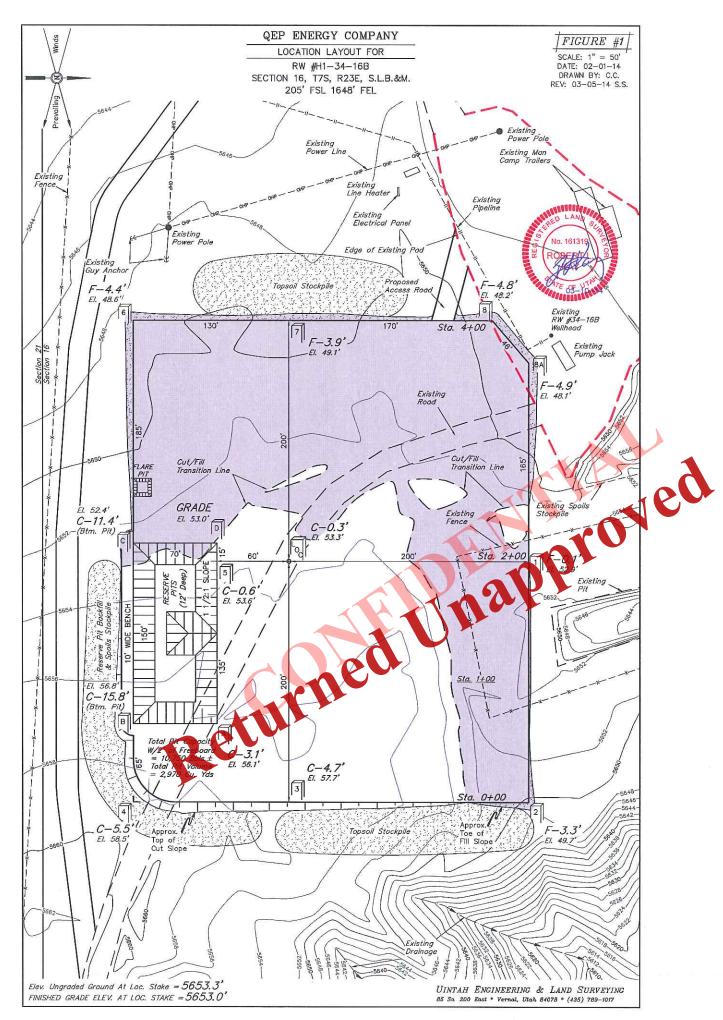
PHOTO: VIEW OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY

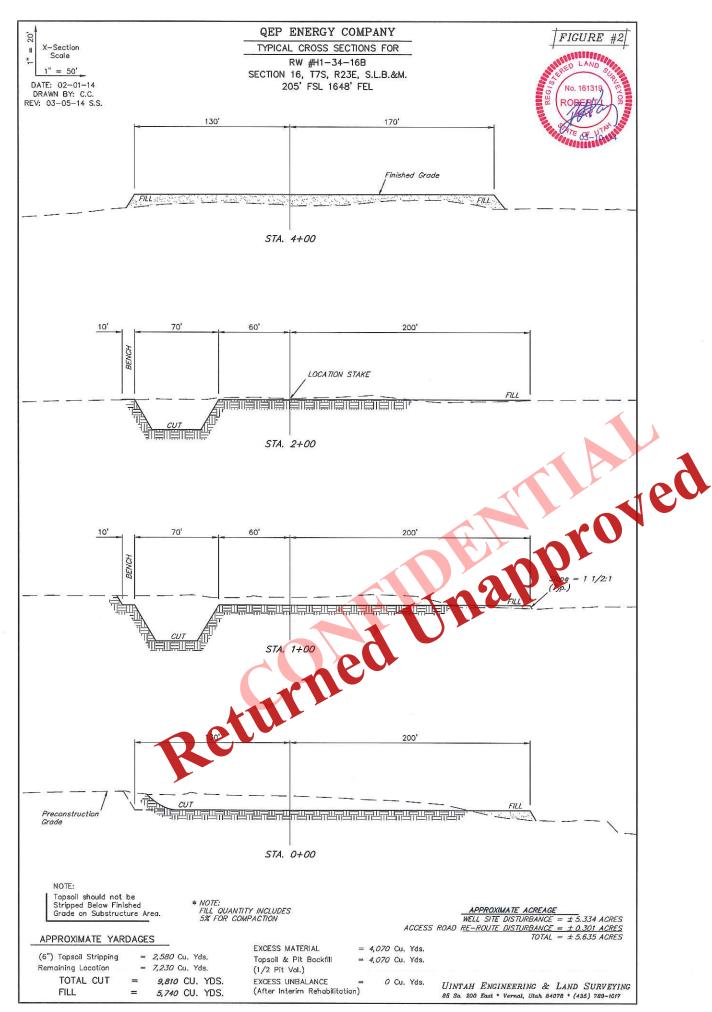


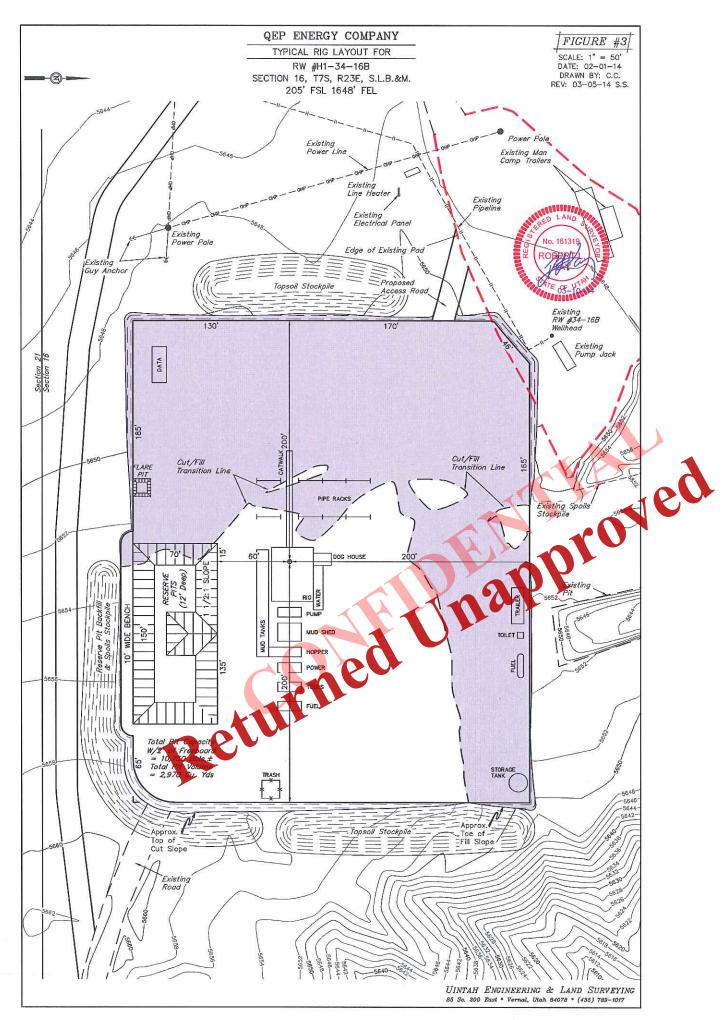
LOCATION PHOTOS TAKEN BY: B.H. | DRAWN BY: L.S. | REVISED: 00-00-00

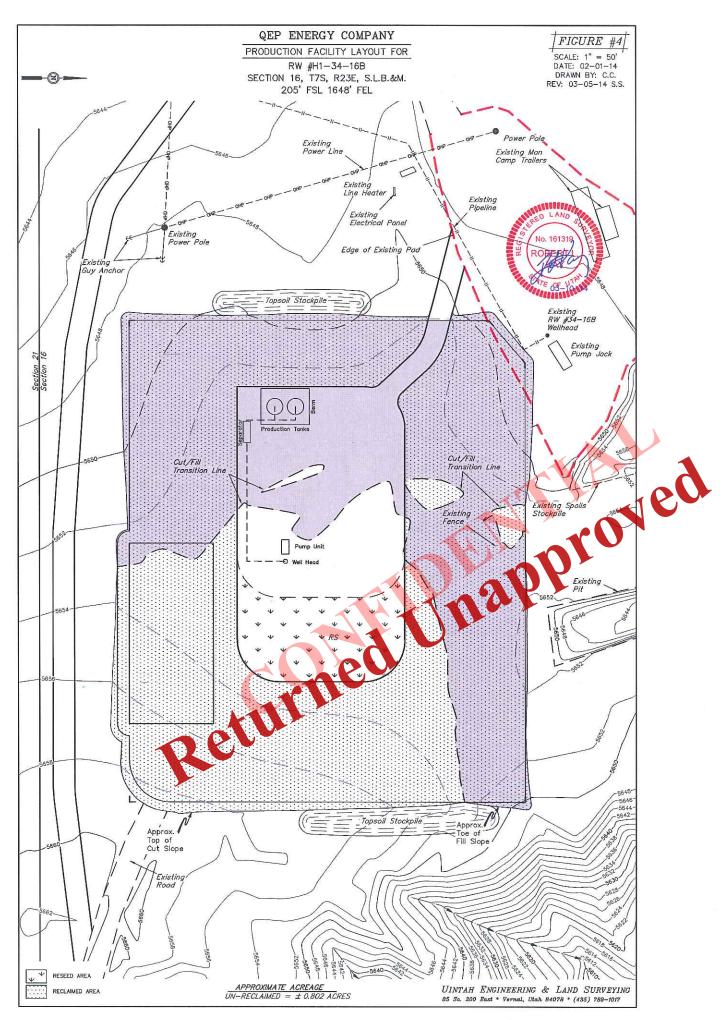




Received: March 26, 2014



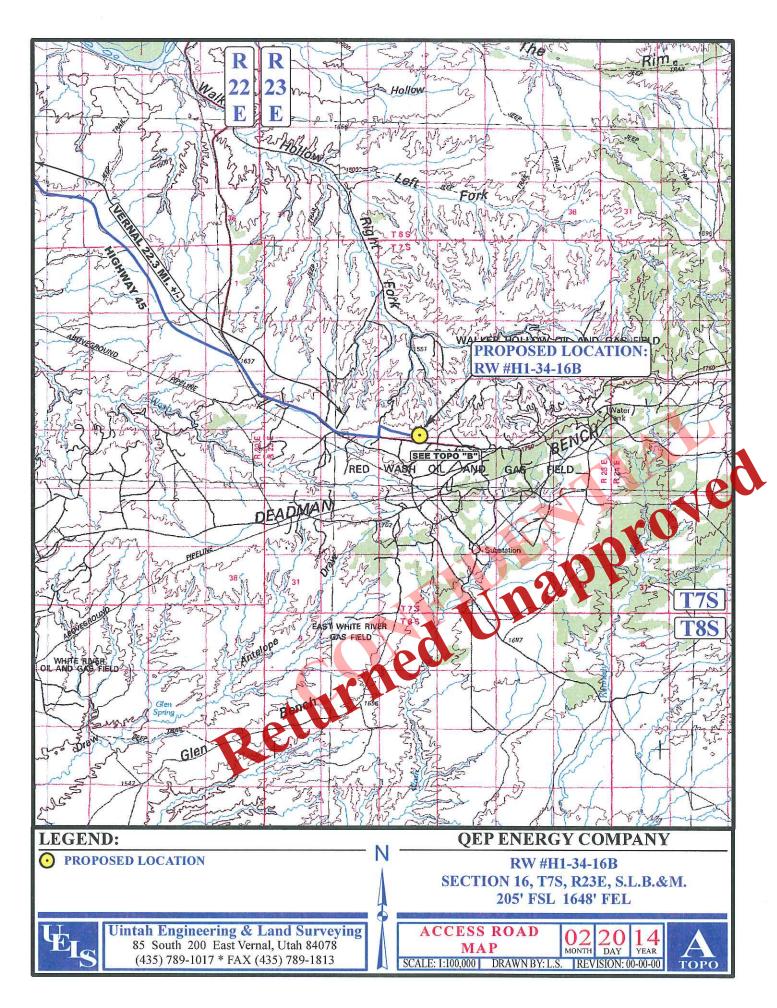


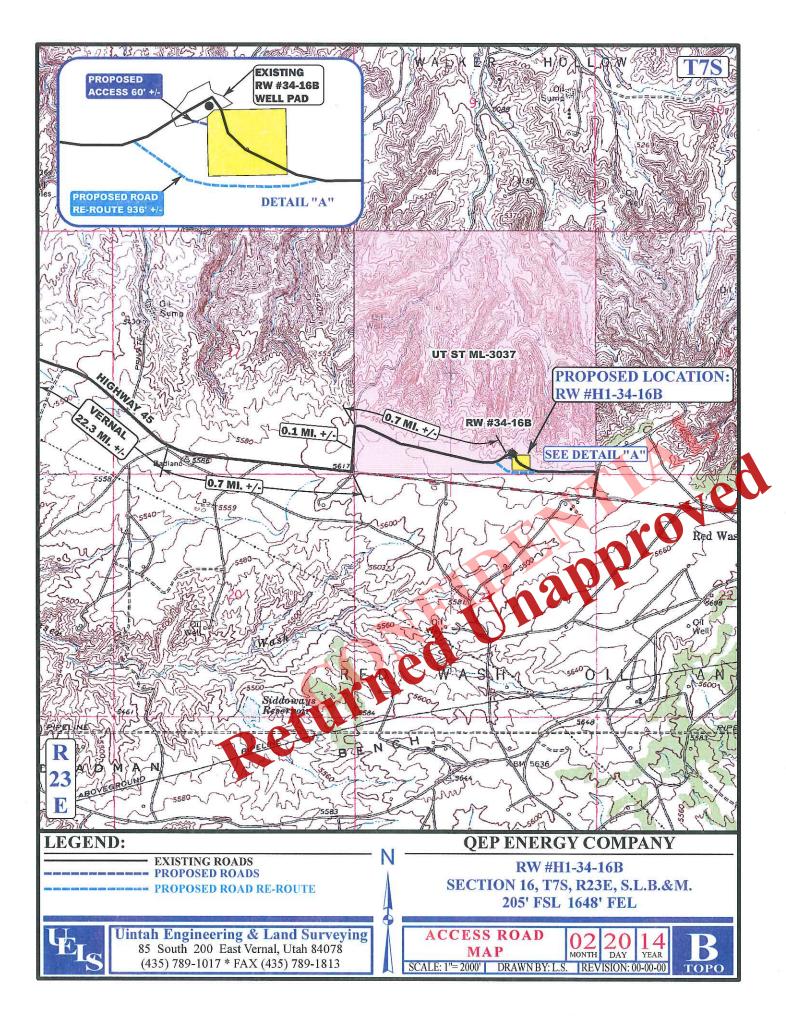


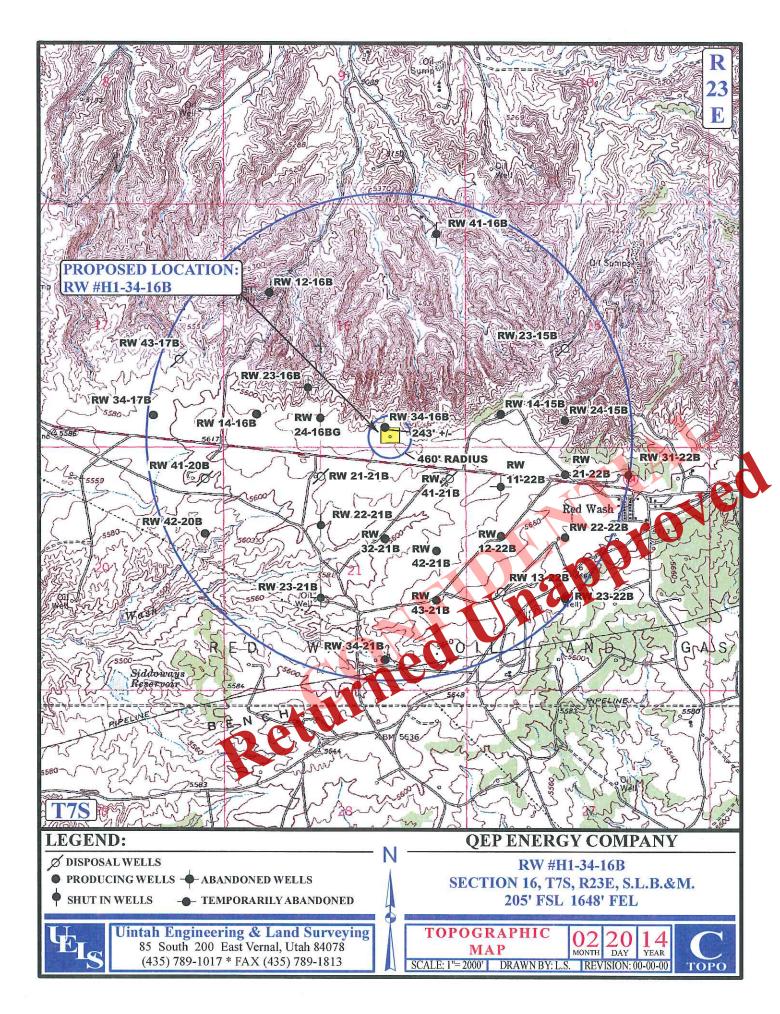
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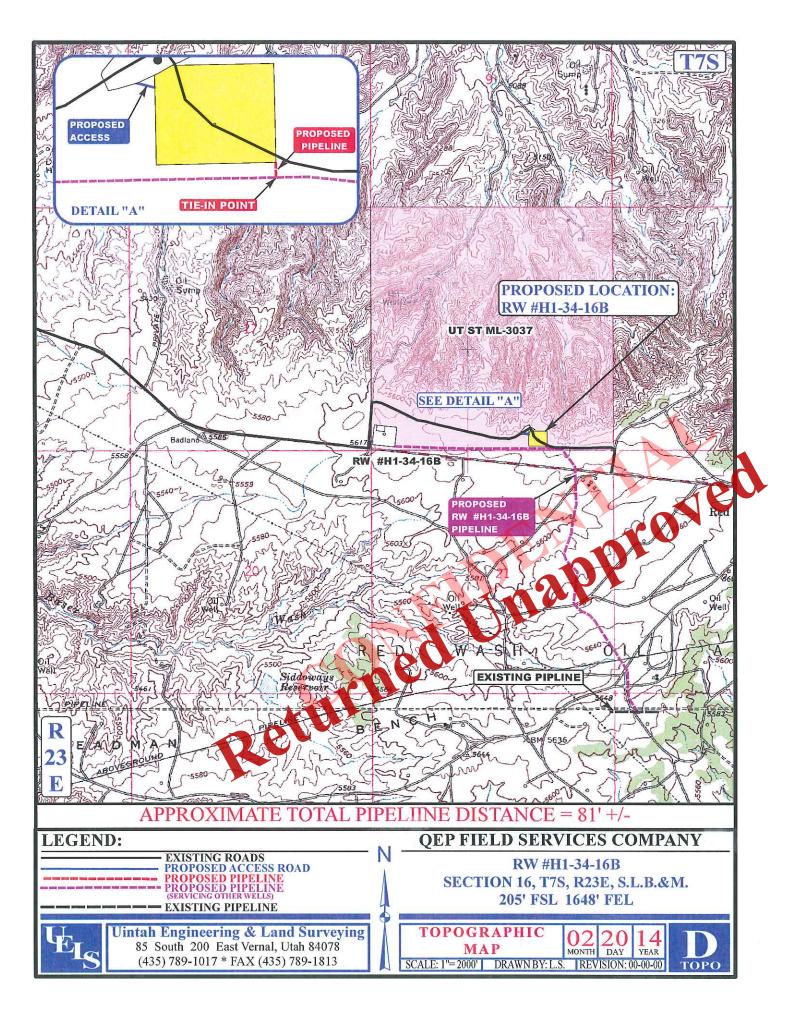
QEP ENERGY COMPANY RW #H1-34-16B SECTION 16, T7S, R23E, S.L.B.&M.

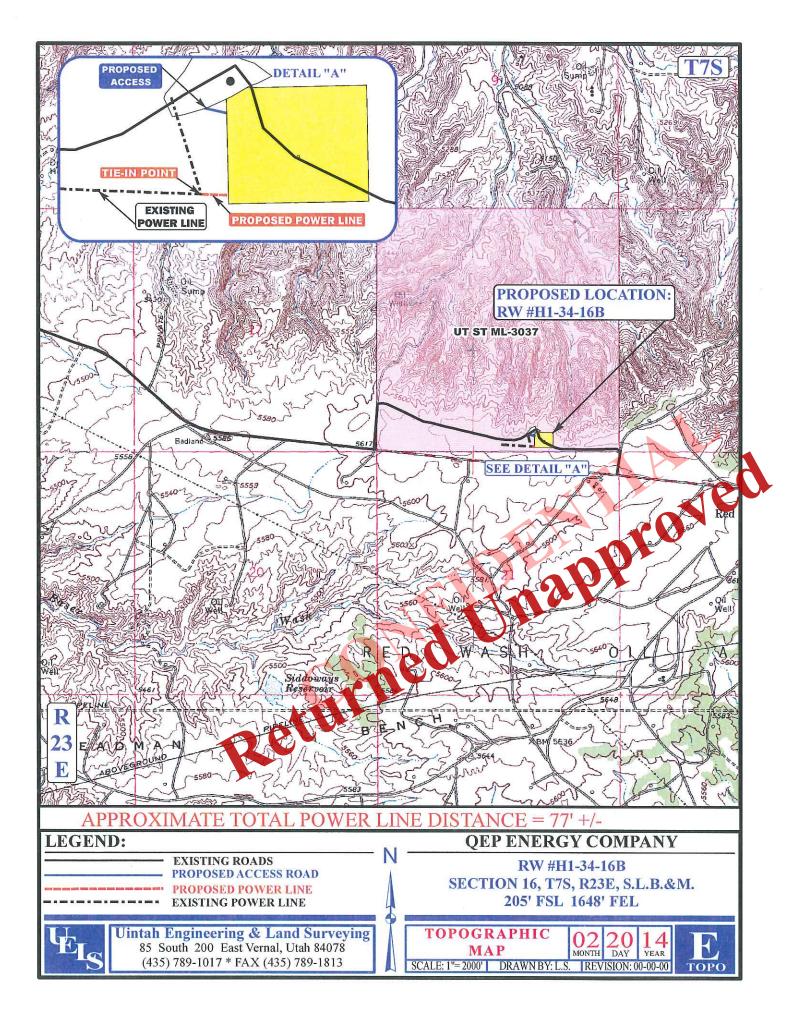
PROCEED IN AN EASTERLY, THEN SOUTHERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 4.0 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 18.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN A EASTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE EXISTING RW #34-16B WELL PAD AND THE BEGINNING OF TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WALL LOCATION IS APPROXIMATELY 23.8 MILES. THE PROPOSED ACCESS TO THE SOUTEAST; FOLLOW ROAD FLAGS IN A











NUI35-038-00

ENTRY 99004922
Book 706 PAGE 540-58| \$92.00
16-JUL-99 01:25
RANDY SIMMONS
RECORDER, UINTAH COUNTY, UTAH
CHEVRON USA INC
PO BOX 36366 HOUSTON TX 77236-9961
REG BY: SYLENE ACCUTTOROOP , DEPUTY

ENTRY 99004922 BOOK 706 PAGE 540

STATE OF UTAH PATENT NO. 19253

WHEREAS, CHEVRON USA PRODUCTION COMPANY, A DIVISION OF CHEVRON USA, INC., P.O. Box 36366, Houston, TX 77236, heretofore purchased from the State of Utah, the lands hereinafter described, pursuant to the laws of said State,

AND WHEREAS, the said CHEVRON USA PRODUCTION COMPANY, A DIVISION OF CHEVRON USA, INC., has paid for said lands, pursuant to the conditions of said sale, and the laws of the State duly enacted in relation thereto,

and all legal interest thereon accrued, as fully appears by the certificate of the proper officer, now on file in the office of the Lieutenant Governor of the State of Utah;

NOW THEREFORE I, MICHAEL O. LEAVITT, Governor, by virtue of the sower and authority vested in me by the laws of the State of Utah, do issue this PATENT, in the name and by the authority of the State of Utah, hereby granting and confirming unto the said CHEVRON USA PRODUCTION COMPANY, A DIVISION OF CHEVRON USA INC., and to its successors and assigns forever, the following tract or parcel of land, situated in the County of Uintah, State of Utah, to-wit:

Township 7 South Range 23 East, SLB&M Systion 16: All

Containing 640.00 acres, more or less

TO HAVE AND TO HOLD the above described and granted premises unto the said CHEVRON USA PRODUCTION COMPANY, A DIVISION OF CHEVRON USA, INC., and to its successors and assigns forever,

Excepting and reserving to the Trust Lands Administration those lands within the exterior boundaries of those certain paleontological sites designated by the Utah State Paleontologist as vertebrate fossil localities 42Un1169v through 42Un1201v, and any other exposures that may be discovered hereafter; together with a right of access across the subject lands to these localities; together with all specimens and paleontological deposits contained within each locality, the localities being more specifically described in Exhibit "A" to this Patent, which exhibit is incorporated by reference herein; and further provided that such reservation of lands shall terminate, and title to the site vest in the

ed

Patent No. 19253 Page 2

Chevron USA Production Company, its successors and assigns, or its successors and assigns, upon recorded certification by the State of Utah that appropriate recovery of paleontological data and specimens from the localities has occurred; or such time as the State of Utah may terminate this reservation of title ownership to the localities, replacing this reservation with restrictive covenants running with the land. Chevron USA Production Company, its successors and assigns, shall comply with the Utah Geological Survey Act, U.C.A. § 63-73-11 et seq. and § 63-73-19 (1995), or any amending or replacing legislation for all land within the parcel below the 5600 foot contour, as if the Trust Lands Administration held title to all such land, including:

- A. Prior to commencing any undertaking (as defined in Trust Lands Administration rule R850-60-200), development or change in use of the land below the 5600 contour, Chevron USA Production Company, its successors and assigns, shall consult with the Trust Lands Administration and request approval for the proposed undertaking, development or change in use.
- B. Chevron USA Production Company, its successors and assigns shall, if so directed by the Trust Lands Administration, provide for a paleontological inventory of the undertaking's area of potential effects, and preserve or recover the paleontological data contained in the localities as directed by the Trust Lands Administration.
- C. Chevron USA Production Company, its successors and assigns, shall provide the Trust Lands Administration with all collections (i.e., specimens, unprocessed sample), notes and photographs) resulting from paleontological investigations at any of the localities and all subsequent data analyses.

Subject to a reservation to the State of all coal and other mineral deposits, along with the right for the State or other authorized persons to prospect for, mine and remove the deposits as provided by Statute; also,

Subject to an easement across the property as may be necessary and reasonable to access lands administered by the School and Institutional Trust Lands Administration; also,

Subject to any valid existing easement or right of way of any kind and any right, interest, reservation or exception appearing of record, and subject also to all rights of way for ditches, tunnels, and telephone and transmission lines that have been or may be constructed by authority of the United States as provided by Statute.

Patent No. 19253 Page 3

	IN TESTIMONY WHEREOF, I have caused the great seal of the State of Utah to be hereunto affixed. Done at Salt Lake City, this twentieth day of April in the year of our Lord, one thousand nine hundred and ninety-nine, and of the independence of the United States of America the two hundred and twenty-third, and in the one hundred and fourth year of the State of Utah.
	By the Governor: Michael O. Leavitt Michael O. Leavitt
	Olene S. Walker Lieutenant Governor David T. Jerry, Director
	School and Institutional Trust Lands Administration PPROVED AS TO FORM Jan Graham
	Attorney General Special Assistant Attorney General
(Recorded Patent Book 39 1 age 53 Certificate of Sale No. 24665 Fund: School



UT

RECEIVED

JUL 0 1 2010

QUESTAR CORPORATION LEGAL DEPARTMENT

Kathy Berg Director Division of Corporations & Commercial Code

Francine Giani Executive Director Department of Commerce

STATE OF UTAH DEPARTMENT OF COMMERCE DIVISION OF CORPORATIONS & COMMERCIAL CODE CERTIFICATE OF REGISTRATION

THOMAS C JEPPERSON QEP ENERGY COMPANY 180 E 100 S PO BOX 45433 SALT LAKE CITY UT 84145-0433

Access Code 120 Code: 764611



State of Utah Department of Commerce Division of Corporations & Commercial C

CERTIFICATE OF REALS TRATION

Corporation n - Profit

This certifies that QEP ENERGY COMPANY has been filed and approved on March 10, 1981 and has been issued the coist atten number 764611-0143 in the office of the Division and hereby issues this Certification thereof.

KATHY BERG

Kathy Ber.

Division Director

*The Access Code is used for Online Applications used by this Division only.

* *	ALANA	
State of Utah DEPARTMENT OF COMMED Division of Corporations & Corporations	mmercial Code	
Application Amending Authori	ty to Conduct Affairs or Registration	
Non-Refundable Processing Fee: Check He [⋉] Foreign Profit Corporation \$37.00	I Tornign Nonrestit Corneration \$27.00	
[] Foreign Limited Partnership \$37.00	[] Foreign Limited Liability Company \$37.00	
File Number: 764611-0143	Utah Div. Of Corp. & Comm. C	
If the business name has changed its name in copy of the amendment must accompany this	the nome state, a copy of the Certificate of Amendment of a certified	IVED
 Check either or both of the following w [X] The name of the entity is changing its 	thich apply: s name in Utah to the new name of the corporation in the home state.	1 2010
[] The name of the entity is being chang	ed in Utah to comply with Utah State Insurance Regulation LEGAL DEP	RPORATIO ARTMENT
2. Amending the business name: Current Name in Utah; Questar Exploration a		06
Name of Home State: Texas		2.
Business entity name in home state: QEP	Inergy Company	4-1
*The entity shall use as its name in Utah:	QEP Energy Company	9 ·
If the name is not available in Utah the co *The entity shall use its name as set forth, unl	rporation shall useess this name is not available.	03:41
Amending the duration of the business of The businesses period of duration is chan	ged to: No Change	RC
4. Purpose of the business No Change		
5. Amending the state or country of incorporation. The entity's state or country of incorporation.	on/registration is changed to: No Change	*
 Under penalties of perjury, I declare this Ap to the pest of my knowledge and belief, true 		••
Abigail L. Jones Signature	Corporate Segretary June 14, 2010)
	Date od by the Division is classified in public record. For confidentiality purposes, you may use private address of any individual affiliated with the entity.	*
Mailing/Faxing Information: www.corporations.ut	ah.gov/contectu chtml Division's Website: www.corporations.utah.go	V.
Mailing/Faxing Information: www.corporations.ut		≥ 70 CI
		Cate: Repelpt Num! Amount Pale:
	w.	mbe
	State of Utah	1 2 E
District	Department of Commerce of Corporations and Commercial Code certified that the foregoing has been filed yed on this L. day of L. D. 20 L fffice of this Division and hereby issued This Certificate thereof.	Oate: 06/24/2010 Receipt Number: 3842127 Amourt Paid: \$461.00

Kathy Berg Kathy Berg Division Director

UT022 - 03/26/2009 C T Filing Manager Online

Corporations Section P.O.Box 13697 Austin, Texas 78711-3697



Office of the Secretary of State

Certificate of Fact

The undersigned, as Secretary of State of Texas, does hereby certify that on June 08, 2010, QUESTAR EXPLORATION AND PRODUCTION COMPANY, a Domestic For-Profit Corporation (file number 25720800), changed its name to QEP Energy Company.

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on June 09, 2010.



Phone: (512) 463-5555 Prepared by: Simona Dehoyoz Come visit us on the internet at http://www.sos.state.tx.us/ Fax: (512) 463-5709

TID: 10254

Dial: 7-1-1 for Relay Services Document: 311125030003

JONATHAN W. RICHARDS ATTORNEY-AT-LAW 60 E. SOUTH TEMPLE, SUITE 1000 SALT LAKE CITY, UTAH 84111 TELEPHONE: 801.321.8847 FAX: 801.328.1707 EMAIL: JRICHARDS@WNLAW.COM

Utah Division of Corporations & Commercial Code Heber M. Wells Building 160 E 300 S, 1st Floor Salt Lake City Utah 84111

> Re: Name Reservation for QEP Energy Corporation

Dear Sirs,

I hereby release the Business Name Reservation I previously filed for the name QEP Energy Corporation (see attached). Please do not hesitate to contact me at 801-321-8847 if you have any questions or need any additional information in order to process this request.

SIGNED on this the 24 day of May, 2010.

Ionathan W. Richards

STATE OF UTAH

COUNTY OF SALT LAKE

BEFORE ME, the undersigned authority, a Notate Public, on this day personally appeared JONATHAN W. RICHARDS, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to the that he executed the same for the purposes and consideration therein expressed.

AND AND SEAL OF OFFICE this the day of May, 2010. GIVEN UNDE

Notary Public VITA GARRETT East South Temple, Suite 1000 Sait Lake City, Utah 84111 My Commission Expires May 27, 2012

JWR/opc 2882139_1.DOC NOTARY PUBLIC, State of Utah



Check Here If: Non-Refundable Processing Fee: | New Filing \$22.00 illne reservation is for 120 days, effectively on table of approval. The rese QEP Energy Corporation The Business Name to be Reserved: Please describe the intended business use of the reserved name: All legal business purposes. This application is <u>not</u> for permission to use a business name. It is merely for a reservation of a name. The reservation of a business name does not create an ownership right in the name, nor may the name be used until the business entity is fully registered, authorized or incorporated under the laws of this State. In order to register a business entity under the reserved name prior to the 120 day expiration of the name reservation, the name reservation will need to be canceled. I do hereby certify that I have read the foregoing provisions and agree to comply therewith in making and submitting this application, Applicant: Name: Jonathan W. Richards List the individual or business entity that will own the Name Entity Number (if a registered business): Reservation on the name line. Address: 60 E. South Temple #1000 City: Salt Lake City State: Utah Under penalties of perjury, Ideclare that this Name Reservation has been examined by me and is, to the best of my knowledge and belief correct and complete. Under GRAMA (63-2-201), all registration information maintained by the Division is classified as public record. For confidentiality purposes, you

Mailing/Faxing Information: www.corporations.utah.gov/contactus.html

business entity physical address rather than the residential or private address of any individual affiliated with the entity.

zeturne

Division's Website: www.corporations.utah.gov

MP

04-22-10P04:08 RCVD

QEP ENERGY COMPANY RW H1-34-16B SWSE, SECTION 16, T7S, R23E UINTAH COUNTY, UT LEASE # UT SL ML-3037

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads**:

See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.

The proposed well site is located approximately 24 miles southwest of Vernal, Utah.

-See attached TOPO Map "A".

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Existing roads will be maintained and repaired as necessary.

2. Planned Access Roads:

The entire well pad, access road, power line, and pipe line are located on private surface.

Refer to Topo Map B for the location of the proposed access

3. Location of Existing Wells Within a 1-Mile Radius:

A map will be provided with the site-specific APD showing the location of existing wells within a one mile radius.

Please refer to Topo map C.

4. <u>Location of Existing and Proposed Facilities:</u>

The following guidelines will apply if the well is productive.

A containment dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks). These dikes will be constructed of compacted impervious subsoil; hold 110% of the capacity of the largest tank; and, be independent of the back cut. If a Spill Prevention, Control, and Countermeasure (SPCC) Plan is required by the Environmental Protection Agency, the containment dike may be expanded to meet SPCC requirements with approval by the BLM/VFO AO. The specific APD will address additional capacity if such is needed due to environmental concerns. The use of topsoil for the construction of dikes will not be allowed.

All loading lines will be placed inside the berm surrounding the tank batteries.

All permanent (on site six months or longer) above the ground structures

constructed or installed, including pumping units, will be painted a color approved by the State.

5. <u>Power line</u>

Electrification of the well sites will reduce the emissions and increase reliability by removing the gas venting of pumps for the heat trace system and chemical injection, as well as increase well pad safety by adding lights to the location.

Access into the proposed power lines will be from existing highways and roads. All construction and vehicular traffic will be confined to the authorized access corridor and designated county and/or BLM roads unless otherwise authorized and approved by the regulating agency

All work will be done in accordance with REA specifications.

QEP Energy Company is proposing a 50 ft temporary authorized access and a 15 ft permanent authorized access for power line maintenance. Minimal to no disturbance is required for the power lines following roads and existing BOW's.

The proposed power line will be 77' in length, 15' in width, containing .0265 acres.

6. Location and Type of Water Supply:

Fresh water will be obtained from Wonsits Valley water right # 49-251(which was filed on May 7, 1964,) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply tresh water for drilling purposes.

7. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

8. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be used at the next drill site or will be removed and disposed of at an approved waste disposal facility within 6 months after drilling is terminated. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

Unless specified in the site specific APD, the reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

It was determined at the on-site inspection that a pit liner is necessary; the reserve pit will be lined with a synthetic reinforced liner, a minimum of 20 millimeters thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap will be disposed of in the pit.

Reserve pit leaks are considered an undesirable event and will be orally reported to the AO.

Disposal of Produced Water:

After first production, produced wastewater will be confined to the approved pit or storage tank for a period not to exceed 90 days.

After the 90 day period, the produced water will be contained in tanks on location and then hauled by truck to the following pre-approved disposal site:

Red Wash Disposal well located in the SESE, Section 28, T7S, R23E, West End Disposal located in the NESE, Section 28, T7S, R22E, NBE 12SWD-10-9-23 Disposal located in NWSW, Section 10, T9S, R23E, or third-party surface evaporative pits.

Produced water, oil, and other byproducts will not be applied to roads or well pads for control of dust or weeds. The currying of produced fluids on roads, well sites, or other areas will not be allowed.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site. The spills will be reported to the AO and other authorities as appropriate.

A changeal porta-toilet will be furnished with the drilling rig. The chemical portapile wastes will be hauled to Ashley Valley Sewer and Water System for disposal.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. Trash will not be burned on location. All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig. All trash and waste material will be hauled to the Uintah County Landfill.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of wells. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of wells within these areas. Specific APD's shall address any modifications from this policy.

9. Ancillary Facilities:

The pipe line is located on private surface.

The proposed pipe line will be 81' in length, 30' in width, containing .0557 acres.

10. Well Site Layout:

A Location Layout Diagram describing drill pad cross-sections, cuts and fills, and locations of mud tanks, reserve pits, flare pit or flare box, pipe racks, trailer parking, spoil dirt stockpile(s), and the surface material stockpile(s) will be included with the site specific APD.

Please see the attached diagram rig orientation, parking areas, and access roads, as well as the location of the following:

The reserve pit.

The stockpiled topsoil will not be used for facility berms. All brush removed from the well pad during construction will be stockpiled with the topsoil.

The flare pit or flare box will be located downwind from the prevailing wind direction.

Any drainage that crosses the well location will be diverted around the location by using ditches, water diversion drains of berms. If deemed necessary at the onsite, erosion drains may be installed to contain sediments that could be produced from access roads and well locations.

11. Fencing Requirements:

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet. All wire shall be stretched using a stretching device before it is attached to corner posts.

The reserve pit will be fenced on three (3) sides during drilling operations. The fourth side will be put in place when the rig moves off location. The pit will be fenced and maintained until it is backfilled. If drilling operations does not commence within 3 days, the fourth side of the fence will be installed.

12. Reclamation Plan:

Reclamation will follow QEP Energy Company, Uinta Basin Division's Reclamation Plan, September 2009 (QEP's Reclamation Plan) and the BLM Green River District Reclamation Guidelines.

All trash and debris will be removed from the disturbed area.

The disturbed area will be backfilled with subsoil.

Topsoil will be spread to an even, appropriate depth and disked if needed.

Water courses and drainages will be restored.

Erosion control devices will be installed where needed.

oved Seeding will be done in the fall, prior to ground freeze up

Seed mix will be submitted to an AO for approval prior to seeding.

Monitoring and reporting will be conducted as stated in QEP's Reclamation Plan. Weed control will be conducted as stated in QEP's Reclamation Plan.

A reference site has been established and is included in this application.

Please see attached Weed Data Sheet.

Hole/Abandoned Location

On lands administered by the State, abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions may include the reestablishment of irrigation systems; reestablishment of appropriate soil conditions; and, the reestablishment of vegetation as specified.

All disturbed surfaces will be recontoured to approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment.

At final abandonment, the Operator will cap the casing with a metal plate a minimum of 0.25 inch thick. The cap will be welded in place and the well location and identity will be permanently inscribed on the cap. The cap will be constructed with a weep hole. The depth of the permanent cap will be determined at the time of final abandonment. Long-term reclamation will then be applied and will follow the reclamation process described in this plan. When

reclamation is deemed successful by the Operator and the State, the Operator will request a bond release.

13. Surface Ownership:

The well pad, access road, power line, and pipe line are located on lands owned by:

QEP Energy Company 11002 East 17500 South Vernal, UT 84078

14. Other Information:

Drilling rigs and/or equipment used during drilling operations will not be stacked or stored on Federal lands or State administered lands after the conclusion of drilling operations or at any other time without authorization by the State Authorized Officer. If State authorization is obtained, such storage is only a temporary measure.

Lessee's or Operator's Representative & Certification:

Valyn Davis Regulatory Affairs Analyst QEP Energy Company 11002 East 17500 South Vernal, UT 84078 (435) 781-4369

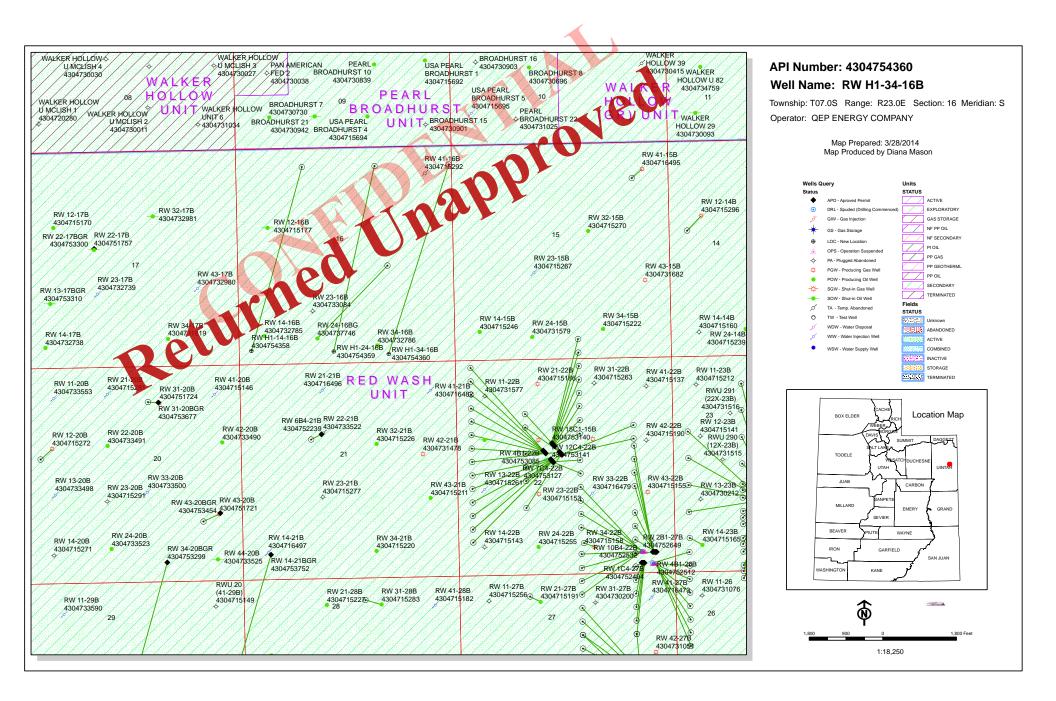
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

etur

I hereby certify that I, or persons under my supervision, have inspected the proposed trill site and access route, that I am familiar with the conditions that currently exist that I have full knowledge of the State and Federal laws applicable to this operations statements made in this plan are, to the best of my knowledge of the State and Federal laws applicable to this operations with this plan and the formula sould be sufficient to the sufficient is subject to the provisions of 18 U.S.C. 1001 for the line of a false statement.

> 3/26/2014 Date



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office 440 West 200 South, Suite 500 Salt Lake City, UT 84101

IN REPLY REFER TO: 3160 (UT-922)

March 31, 2014

Memorandum

Assistant Field Office Manager Minerals, To:

Vernal Field Office

Michael Coulthard, Petroleum Engineer From:

2014 Plan of Development Red Wash Unit, Subject:

Uintah County, Utah.

Pursuant to email between Diana Mason, Divisi Mining, and Mickey Coulthard, Utah State off , Bureau of Land Management, the following wells are plant or calendar year 2014 within the Red Wash Unit, Uinta

API# WELL NAME (Proposed PZ Mesaverde)

43-047-54358 RW H1-14-16B 6 T07S R23E 0338 FSL 0292 FWL ec 16 T07S R23E 0460 FNL 1596 FWL

Sec 16 T07S R23E 0287 FSL 2300 FWL teral 1 Sec 16 T07S R23E 0460 FNL 1908 FEL

RW H1-34-16B Sec 16 T07S R23E 0205 FSL 1648 FEL Lateral 1 Sec 16 T07S R23E 0460 FNL 0089 FEL

This office has no objection to permitting the well at this time.

Michael Coulthard Digitally signed by Michael Coulthard DN: cn=Michael Coulthard, o=Bureau of Land Management, ou=Division of Minerals, email=mcoultha@blm.gov, c=US Date: 2014.03.31 15:53:07-06'00'

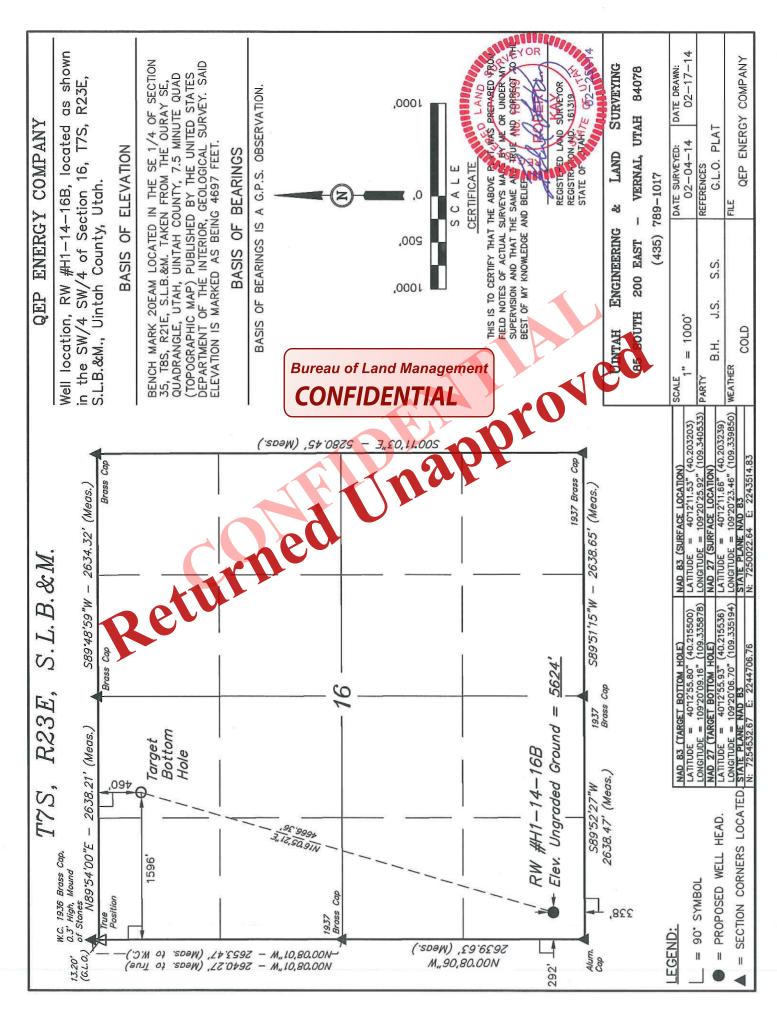
bcc: File - Red Wash Unit

Division of Oil Gas and Mining

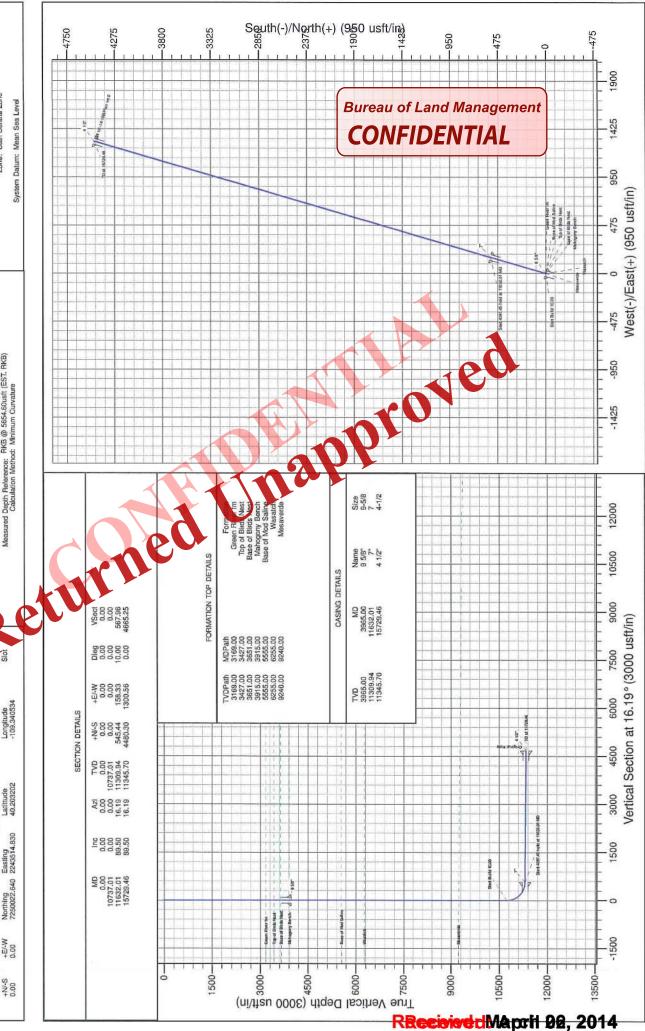
Central Files Agr. Sec. Chron Fluid Chron

MCoulthard:mc:3-31-14

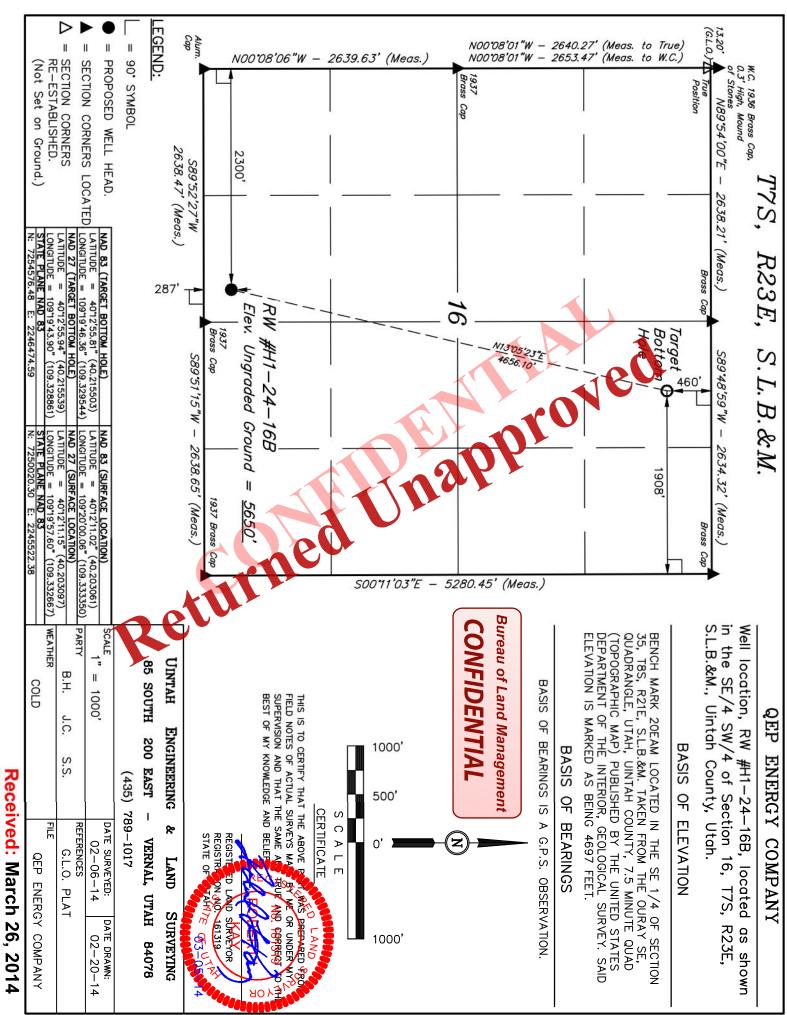
Received: April 02, 2014



Project: Red Wash - B Site: RW H1-14-16B Well: RW H1-14-16B Wellbore: Original Hole Design: Plan ver.0 Geodetic System: US State Plane 1983 Datum: North American Datum 1983 Ellipsoid: GRS 1980 Zone: Utah Central Zone PROJECT DETAILS: Red Wash - B System Datum: Mean Sea Level Magnetic Field Strength: 52182:6snT Dip Aryle: 65.99* Date: 3/12/2014 Model: IGRE2010 Azimuths to True North Magnetic North: 10.68° * * Co-ordinate (NE) Reference: Well RW H1-14-16B, True North Vertical (TVD) Reference: KRB @ 5654. Stustif (EST, RKB) Section (VS) Reference: Slot - (0.00N, 0.00E) Measured Depth Reference: RKB @ 5654. Soustif (EST, RKB) Calculation Method: Minimum Curvature REFERENCE INFORMATION Company Name: QEP ENERGY (UT) WELL DETAILS: RW H1-14-16B Original Hole Latittude 40.203202 Ground Level: 5623.60 Easting 2243514.830 Northing 7250022.640 3.00 P







Received: April 02, 2014

South(-)/North(+) (950 usft/in) -3800 4275 -3325 -4750 Project: Red Wash - B Site: RW H1-24-16B Well: RW H1-24-16B Wellbore: Original Hole Design: Plan ver 0 Geodetic System: US State Plane 1983 Datum: North American Datum 1983 Ellipsoid: GRS 1980 Zone: Utah Central Zone PROJECT DETAILS: Red Wash - B System Datum: Mean Sea Level Magnetic Field Strength; 52183,3srT Dip Angle: 65.99* Date: 312/2014 Model: 1GHF2010 Azinuths to True North Magnetic North: 10.58° ----Co-ordinate (NE) Reference: Well RW H1-24-16B, True North Vertical (TVD) Raterence: RKB @ 5675.00xstl (est RKB) Section (VS) Reference: Stot - (0.00K) 0.00E) Measured Depth Reference: RKB @ 5675.00vstl (est RKB) Calcutation Method: Minimum Curvature REFERENCE INFORMATION **QEP ENERGY (UT)** Size 9-5/8 7 4-1/2 Green Ri Top of Bird: Ne Base of Birds of Mahogony Ben Base of Mod Salli 9 5/8" 7" 4 1/2" FORMATION TOP DETAILS CASING DETAILS VSect 0.00 0.00 567.96 4654.99 3878.00 11610.00 15697.19 MDPath 3130.00 3401.00 3610.00 3828.00 5575.00 6175.00 9193.00 0.00 0.00 0.00 0.00

Company Name:

Longitude -109.333349

Ground Level: 5647.00 Latitude 2380 40.203062

Easting 2245522.380

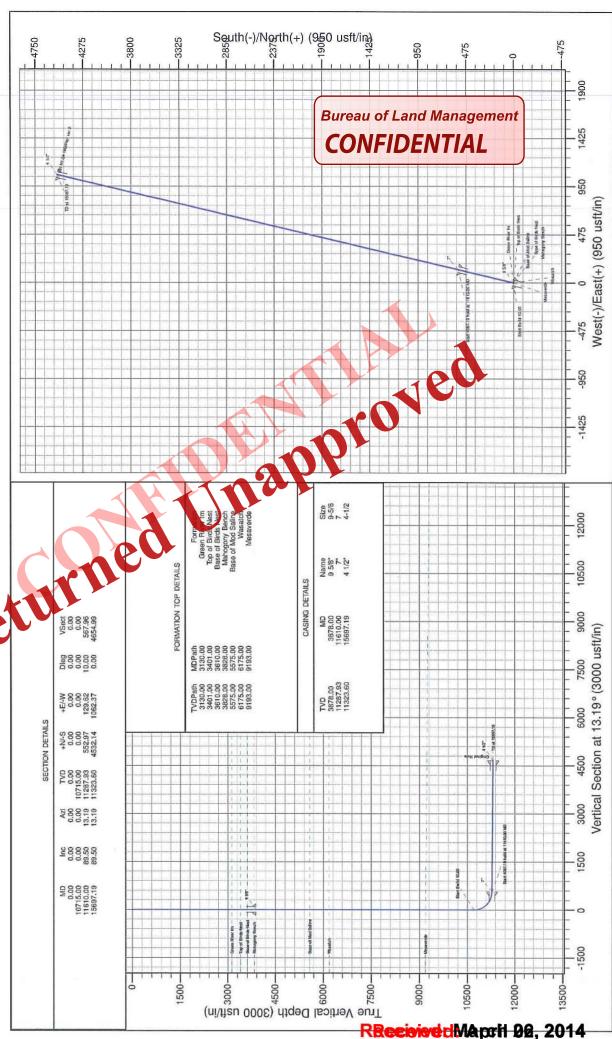
Northing 7250020.300

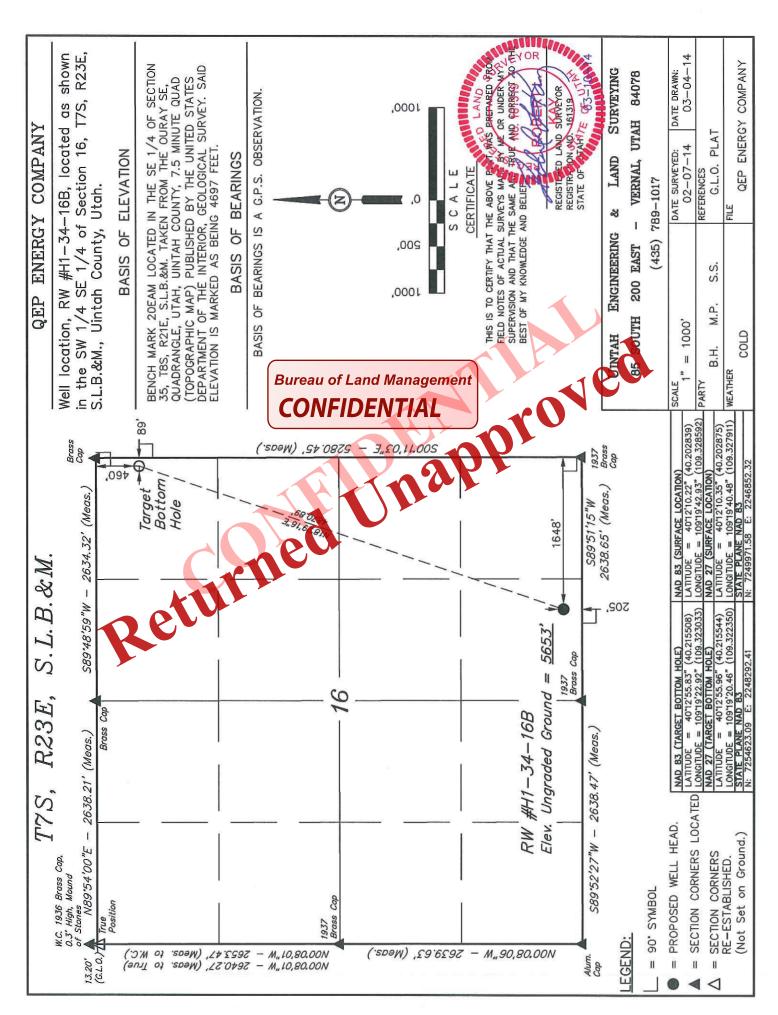
+E/-W 0.00

0.00 0.00

WELL DETAILS: RW H1-24-16B Original Hole



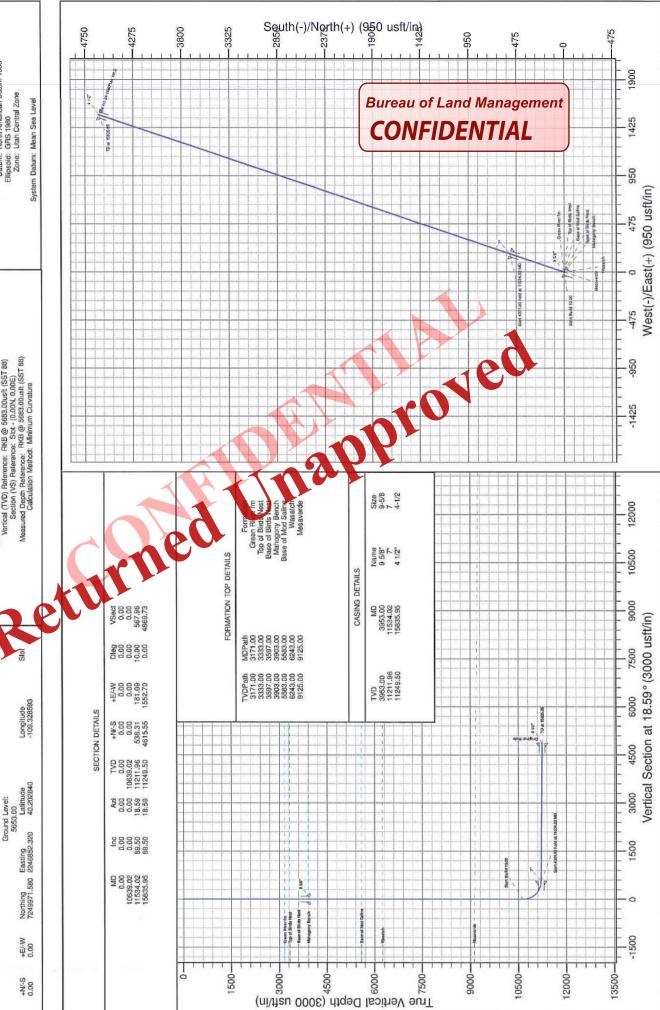




Project: Red Wash - B Site: Rw H1-34-16B Well: Rw H1-34-16B Wellbore: Original Hole Design: Plan ver.0 Magnetic Fleid Strength: 52183 BsnT Dip Angle: 65.99* Date: 3/12/2014 Model: IGRF2010 Azimuths to True North Magnetic North: 10.58° -

QEP ENERGY (UT) Company Name:

Geodelic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone PROJECT DETAILS: Red Wash - B System Datum: Mean Sea Level Co-ordinate (WE) Raterence: Well RW H1-34-16B, True North Vertical (TVD) Paterence: RKB @ 5683.00ust (SST 88) Section (VS) Reference: Slot - (0.00N, 0.00E) Measured Depth Reference: RKB @ 5683.00ust (SST 88) Calculation Method: Minimum Curvature REFERENCE INFORMATION Longitude -109.328593 WELL DETAILS: RW H1-34-16B Original Hole Ground Level: 5653.00 Latitude 2320 40.202840 Easting 2246852,320 Northing 8 7249971.580 4E/-W 9.00 0.00



Received dMAppril 99, 2014





Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

March 29, 2016

QEP ENERGY COMPANY 11002 East 17500 South Vernal, Ut 84078

Re: Application for Permit to Drill - UINTAH County, Utah

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the RW H1-34-16B well, API 43047543600000 that was submitted March 26, 2014 is being returned unapproved. If you plan on drilling this well in the future, you must first submit a new application.

Should you have any questions regarding this matter, please call me at (801) 538-5312.

Sincerely,

Diana Mason Environmental Scientist

Enclosure

cc: Bureau of Land Management, Vernal, Utah

